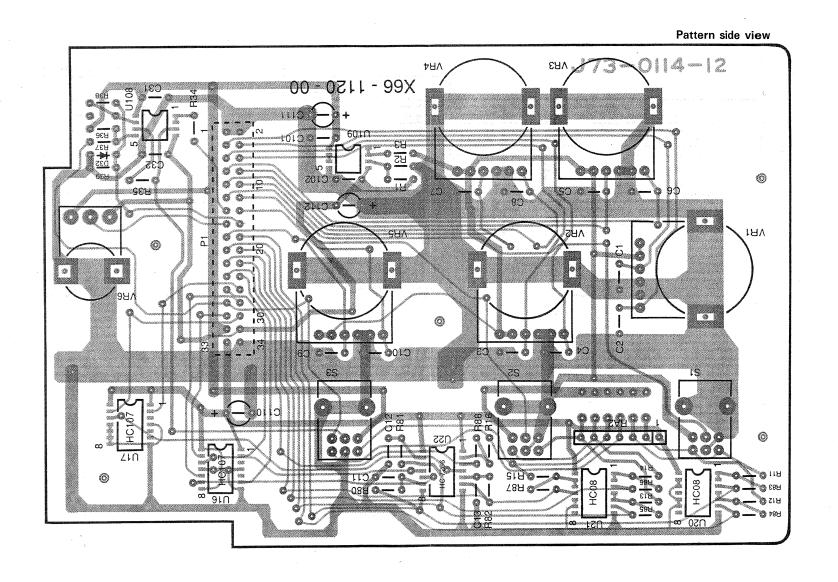
PROGRAMMABLE DIGITAL STORAGE OSCILLOSCOPE

DCS-8200

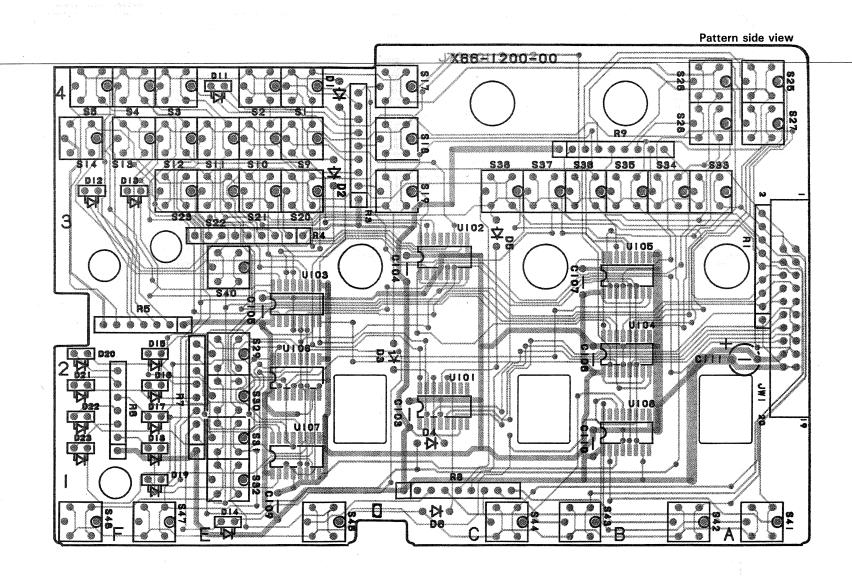
SERVICE MANUAL

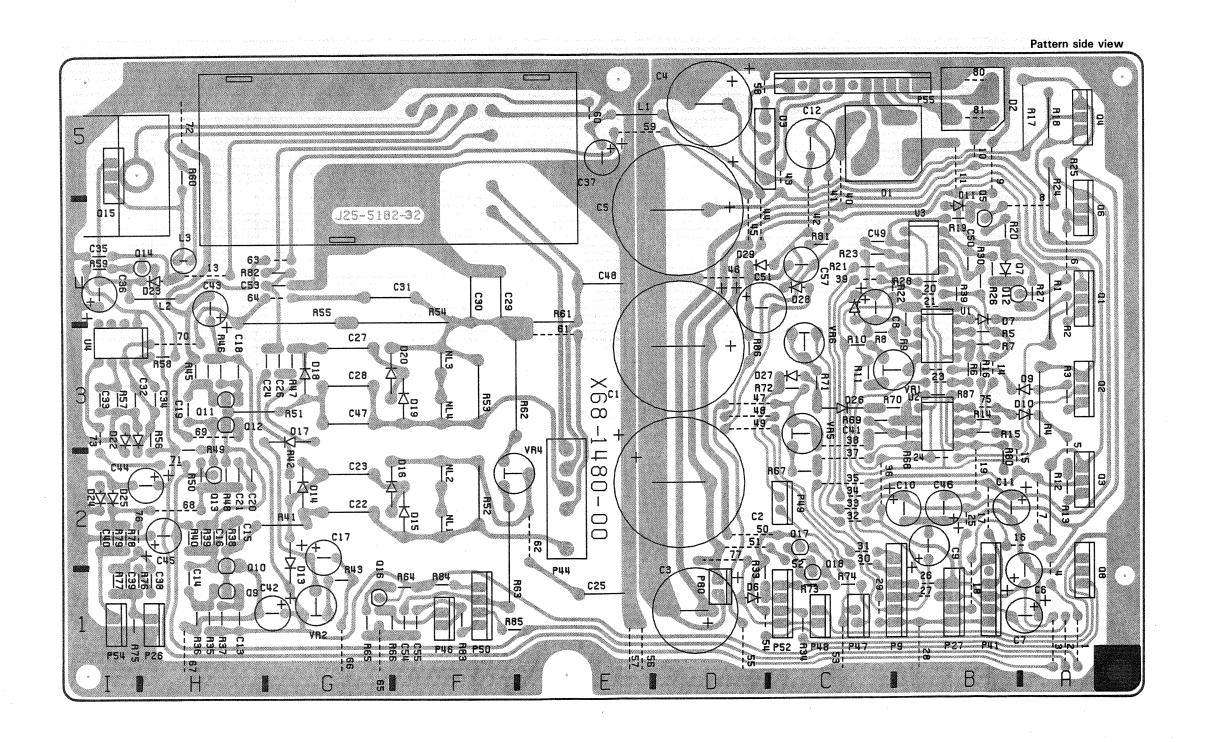
(TEMPORARY VERSION)

PANIEL VR UNIT (X66-1120-00)

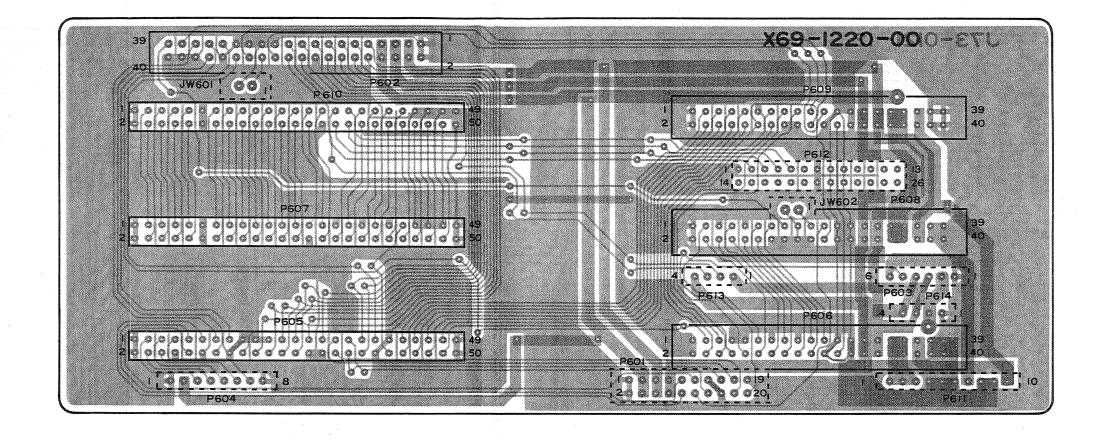


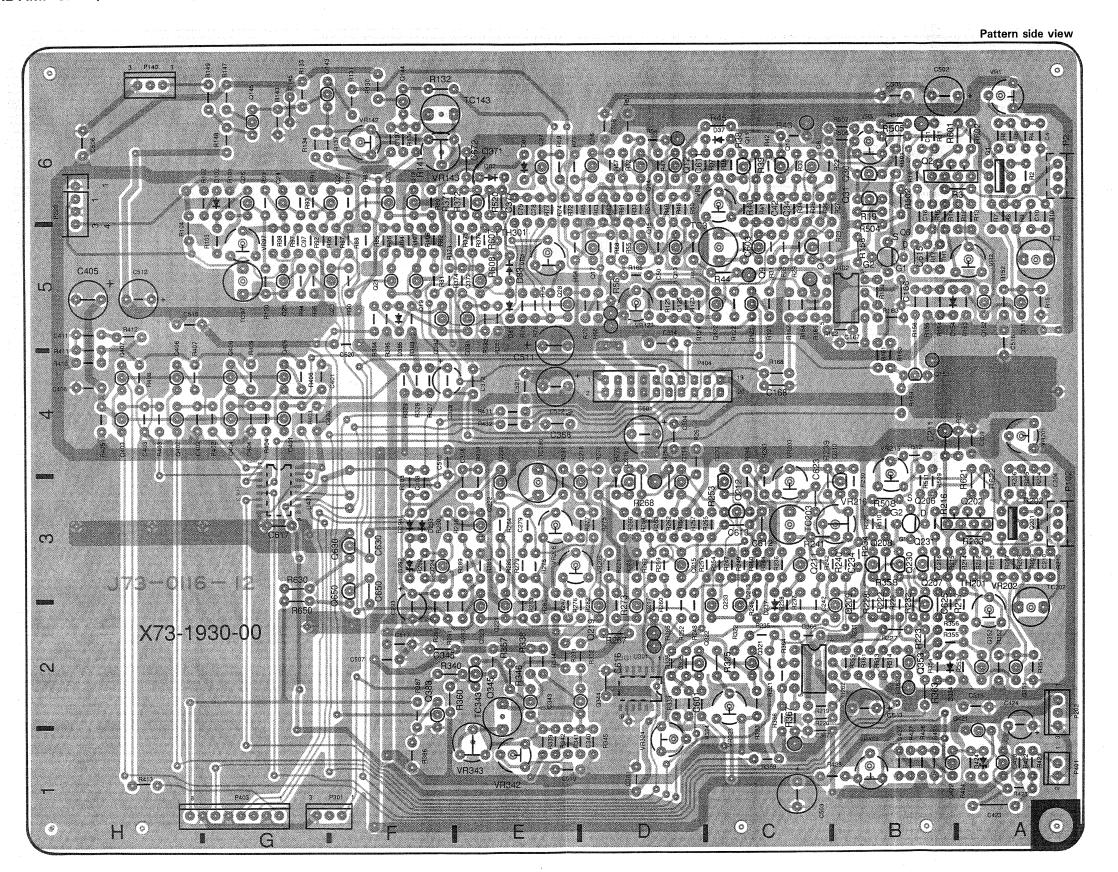
PANEL SW UNIT (X66-1200-00)



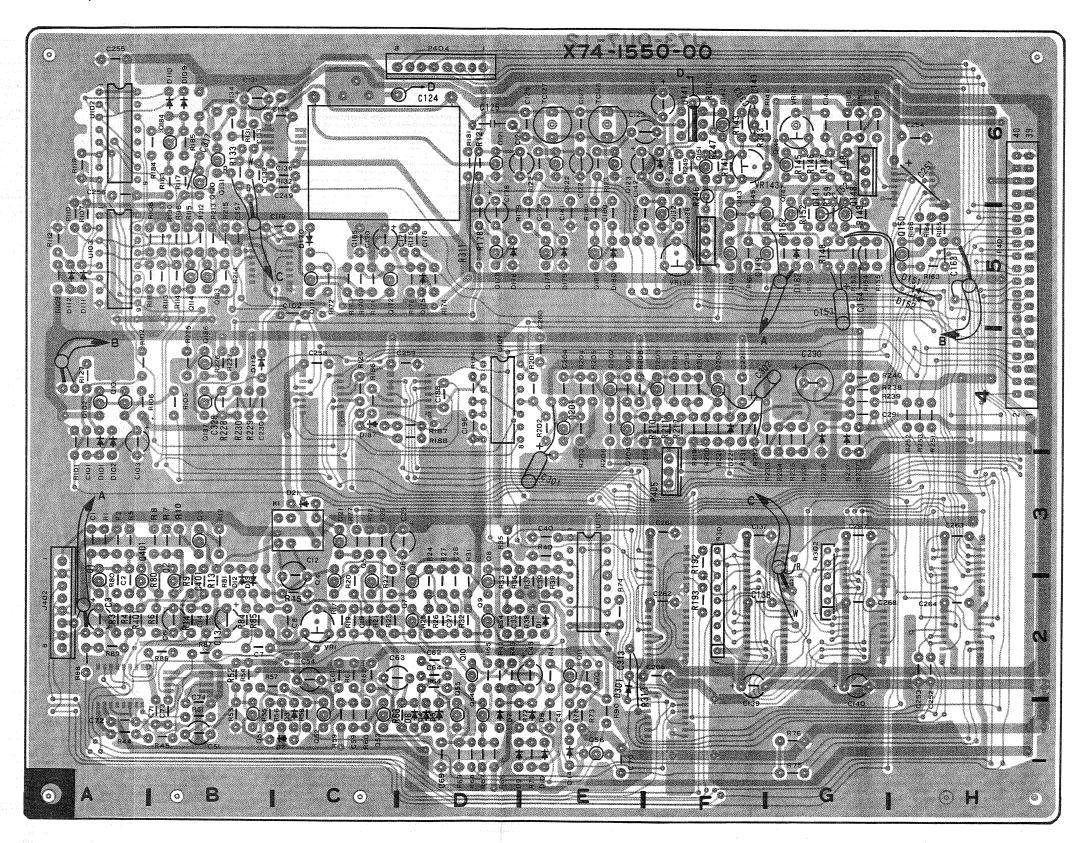


CONNECTION UNIT (X69-1220-00)

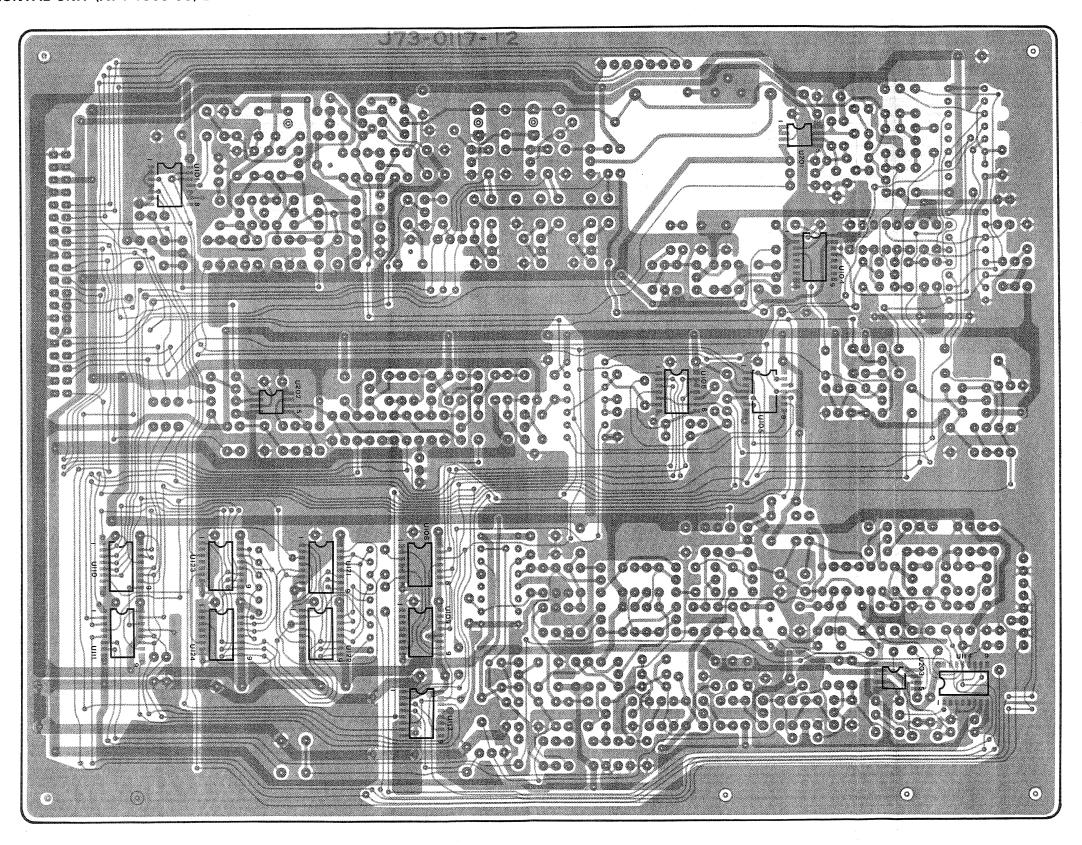




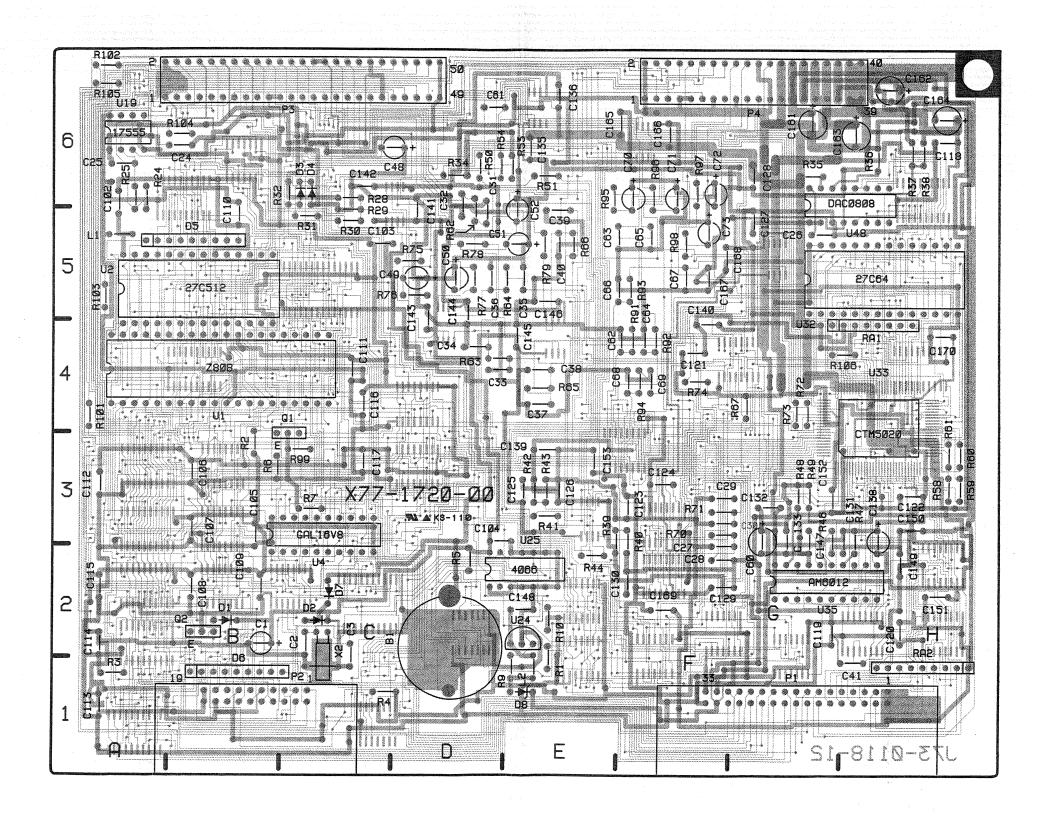
HORIZONTAL UNIT (X74-1550-00) A



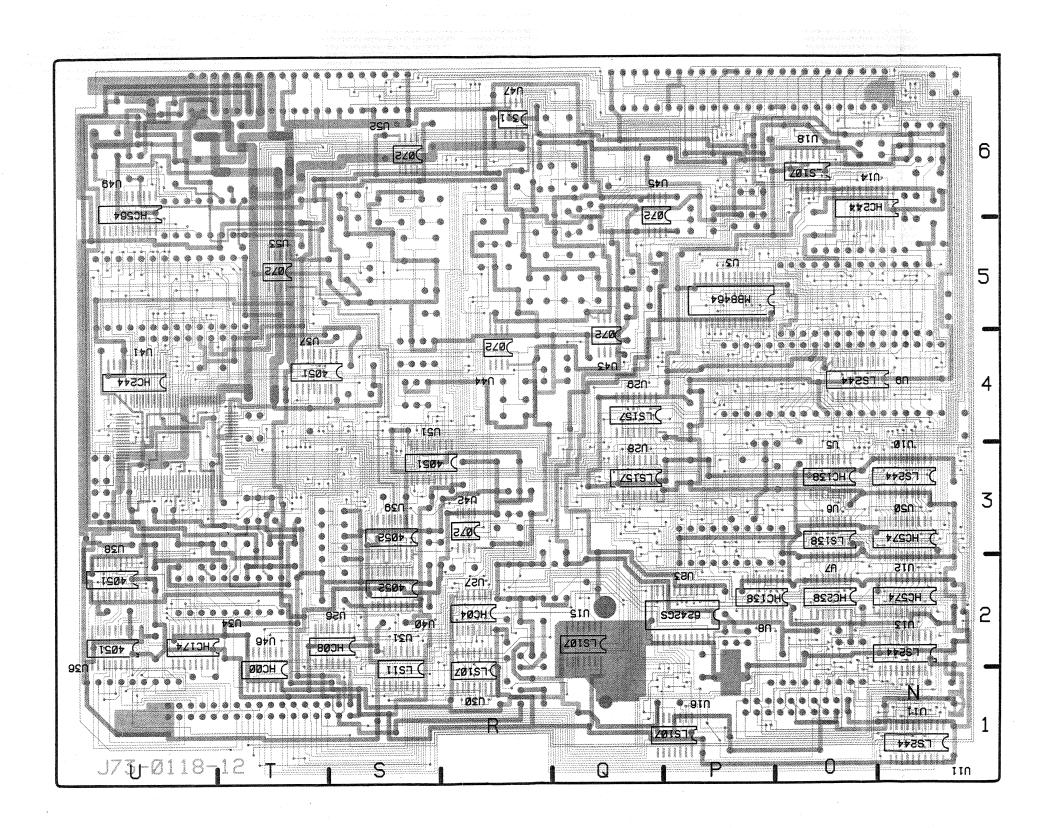
HORIZONTAL UNIT (X74-1550-00) B

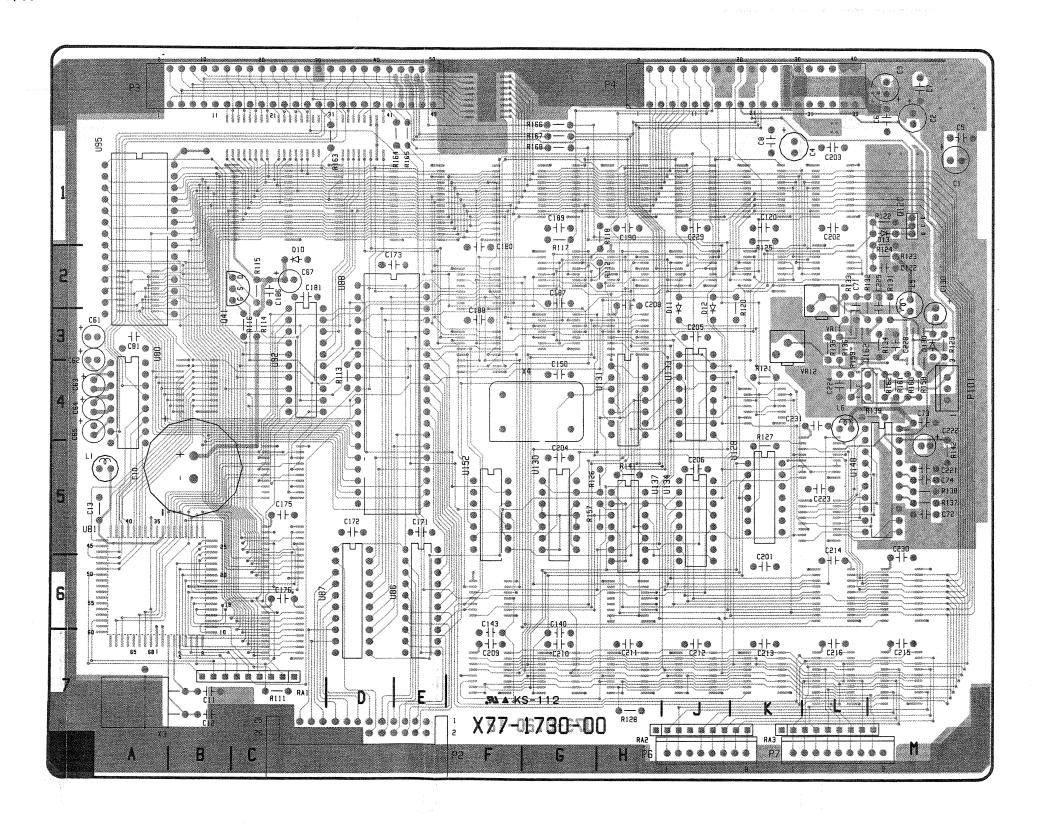


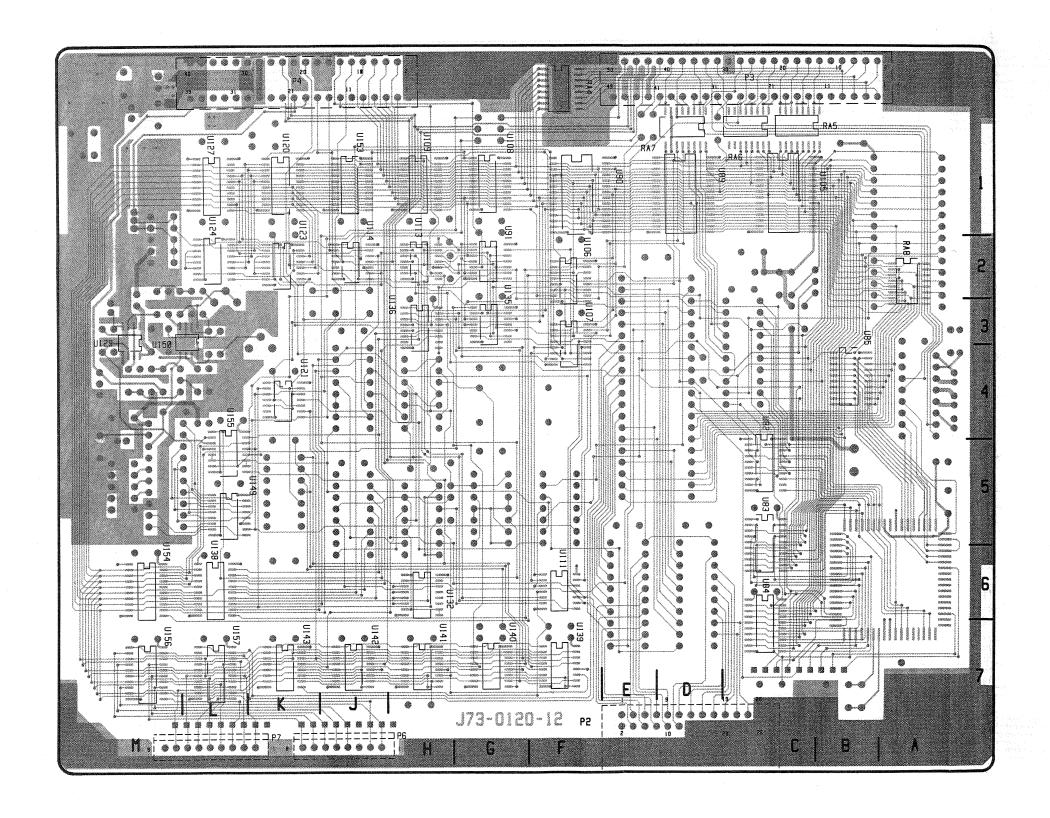
READOUT UNIT (X77-1720-00) A



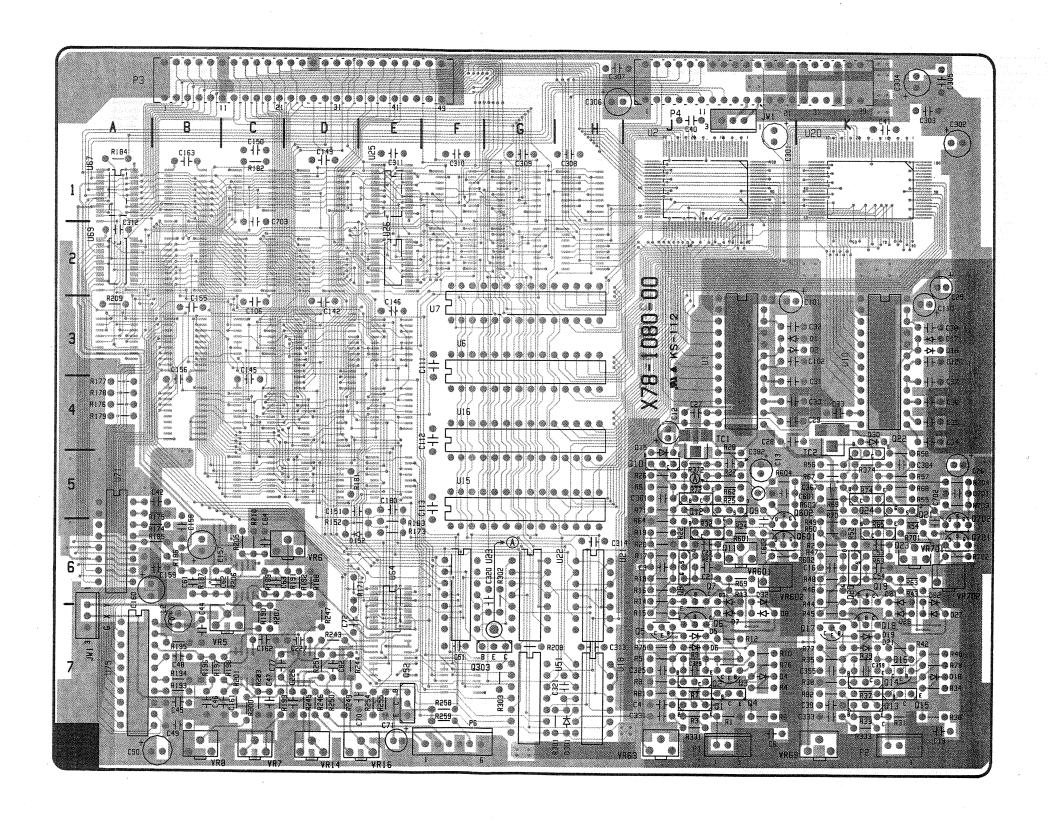
READOUT UNIT (X77-1720-00) B



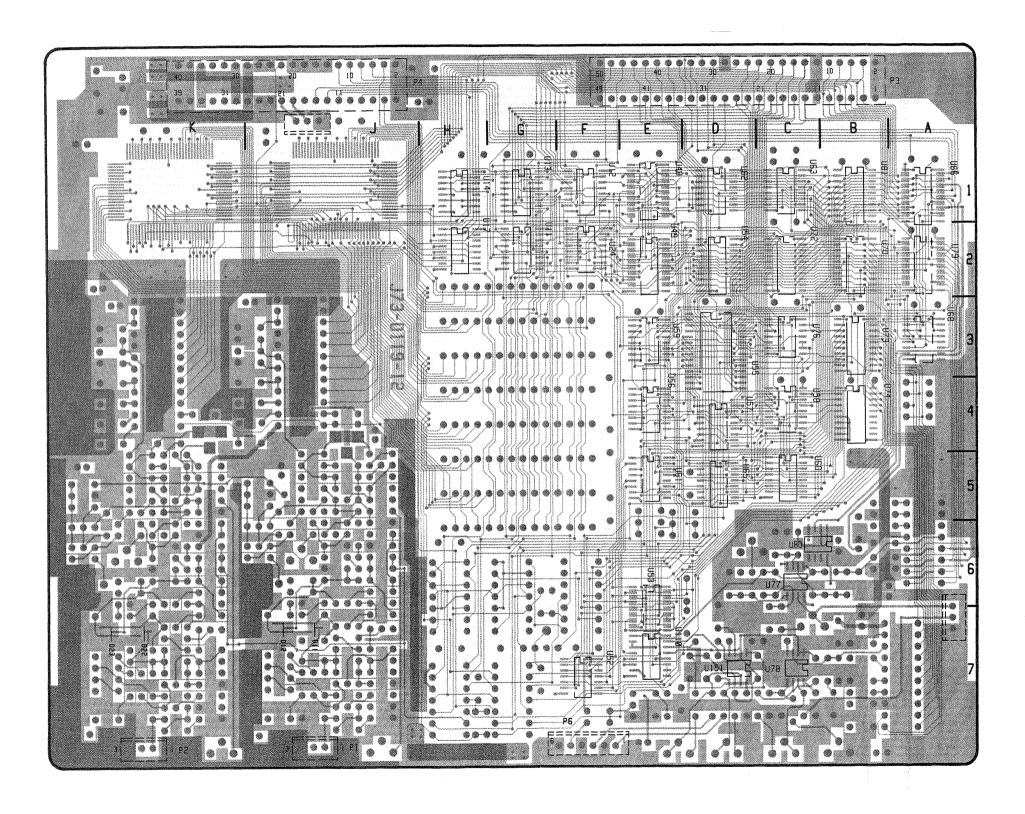


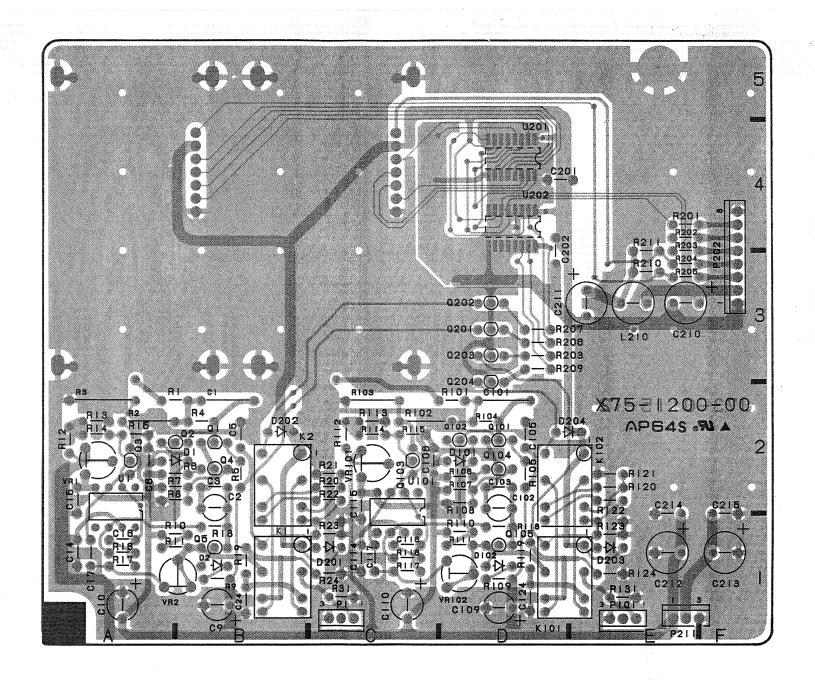


A/D CONVERTER UNIT (X78-1080-00) A

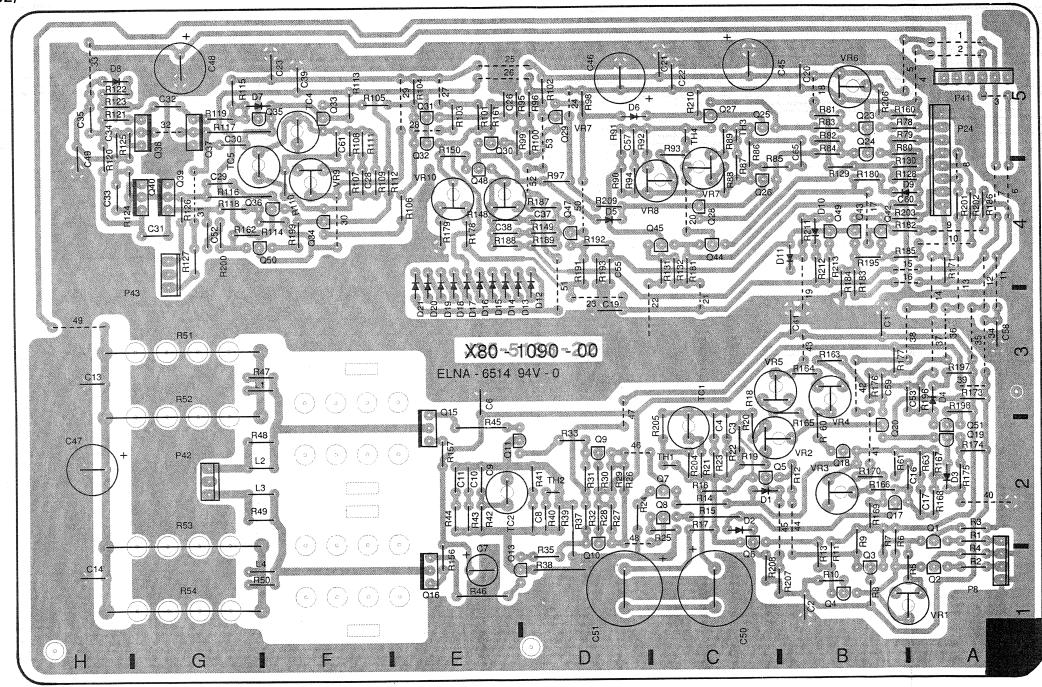


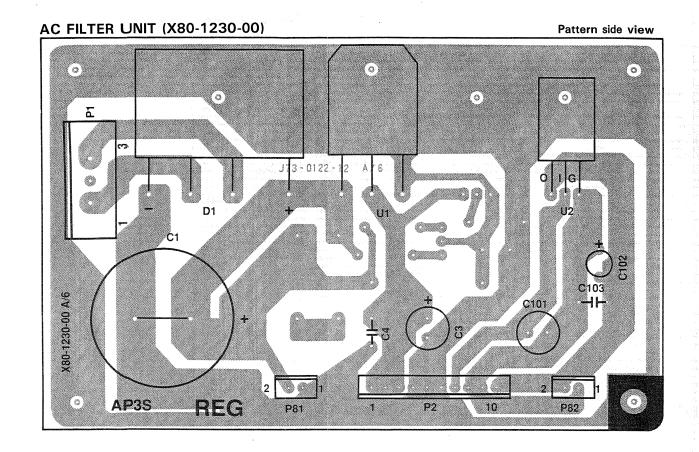
A/D CONVERTER UNIT (X78-1080-00) B

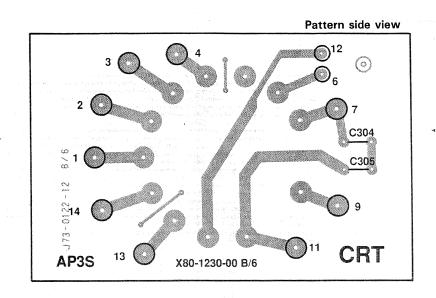


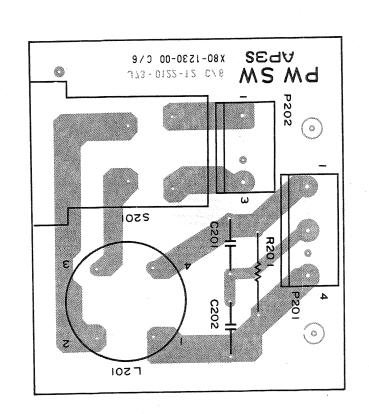


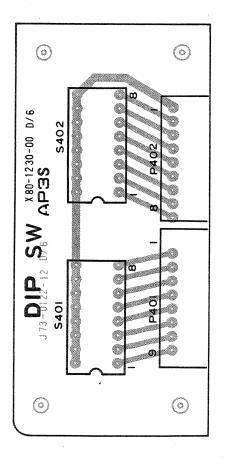
FINAL UNIT (X80-1090-02)

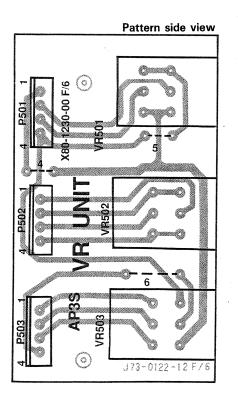


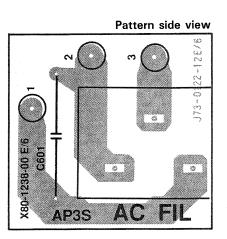


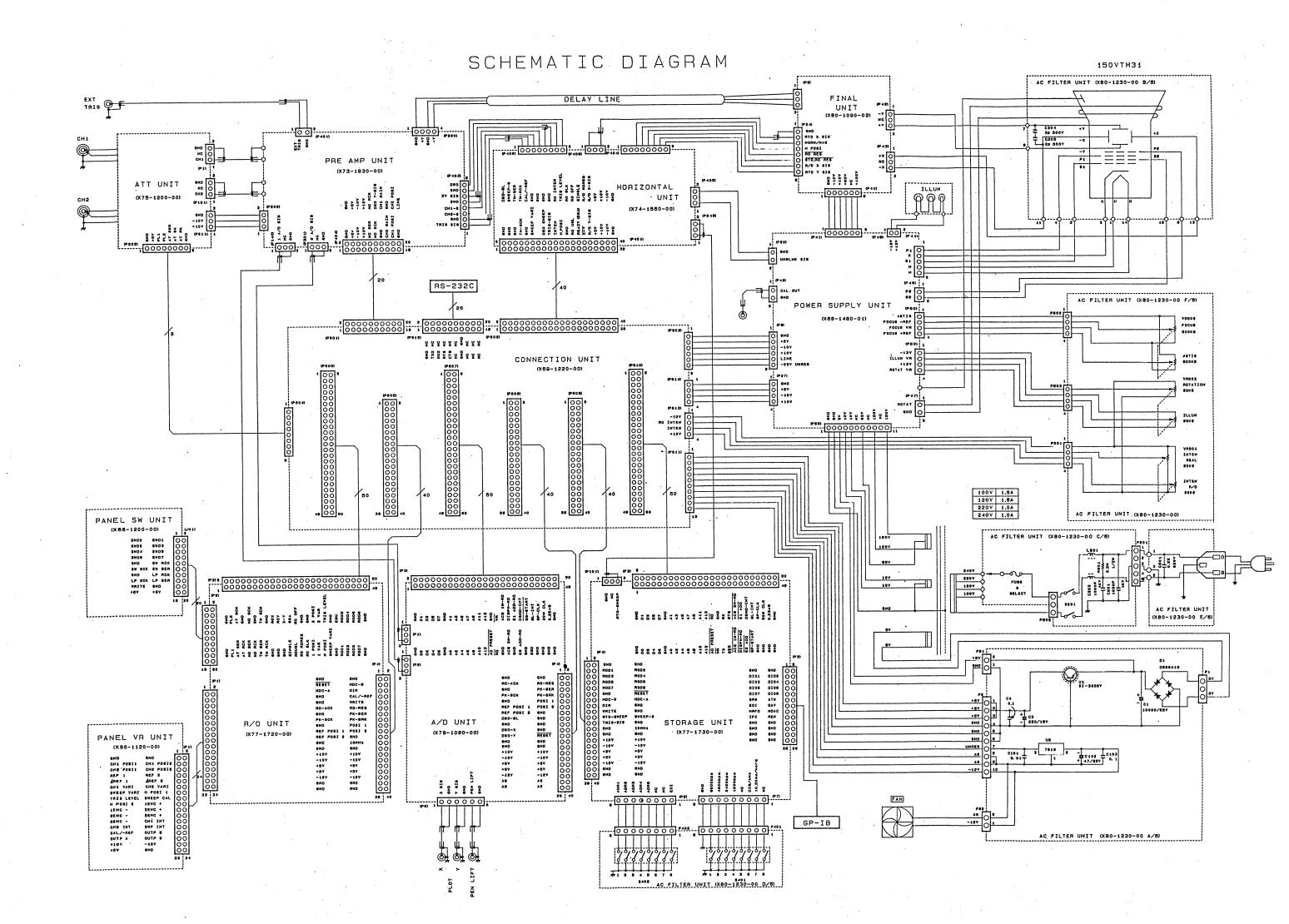


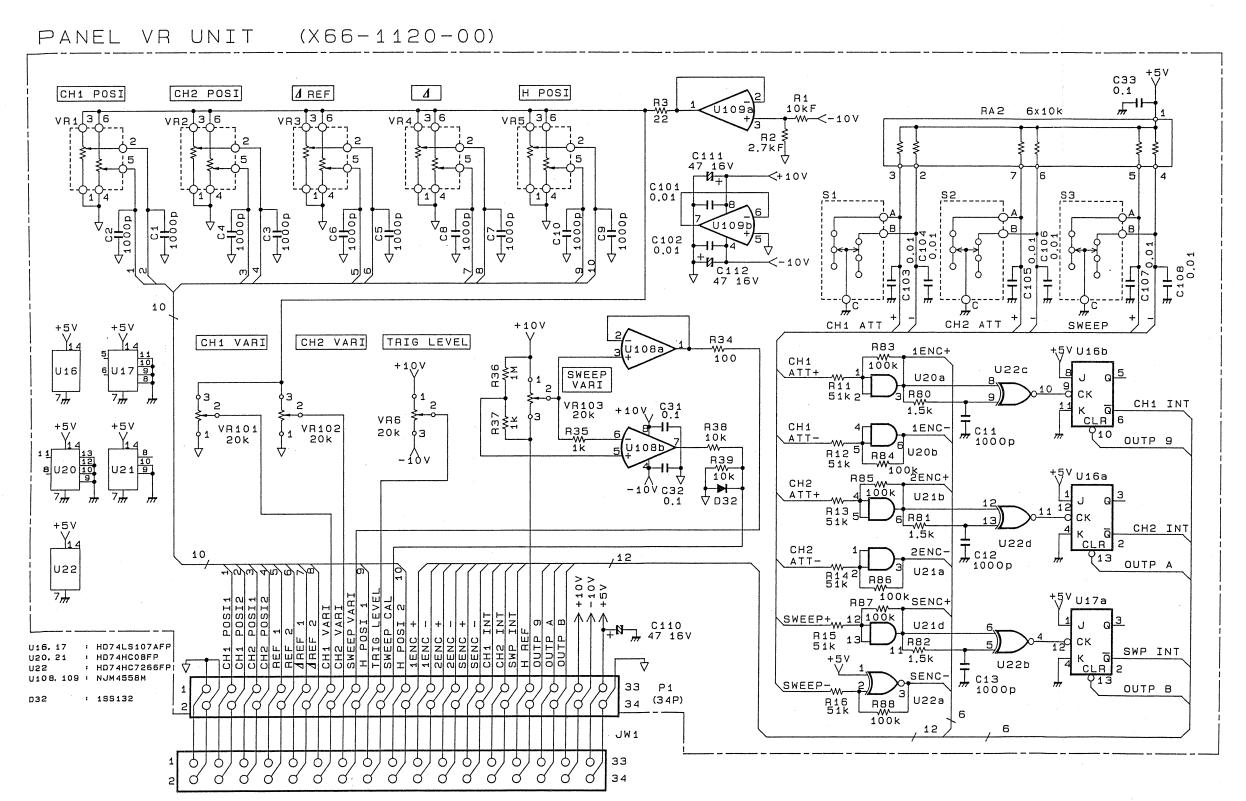


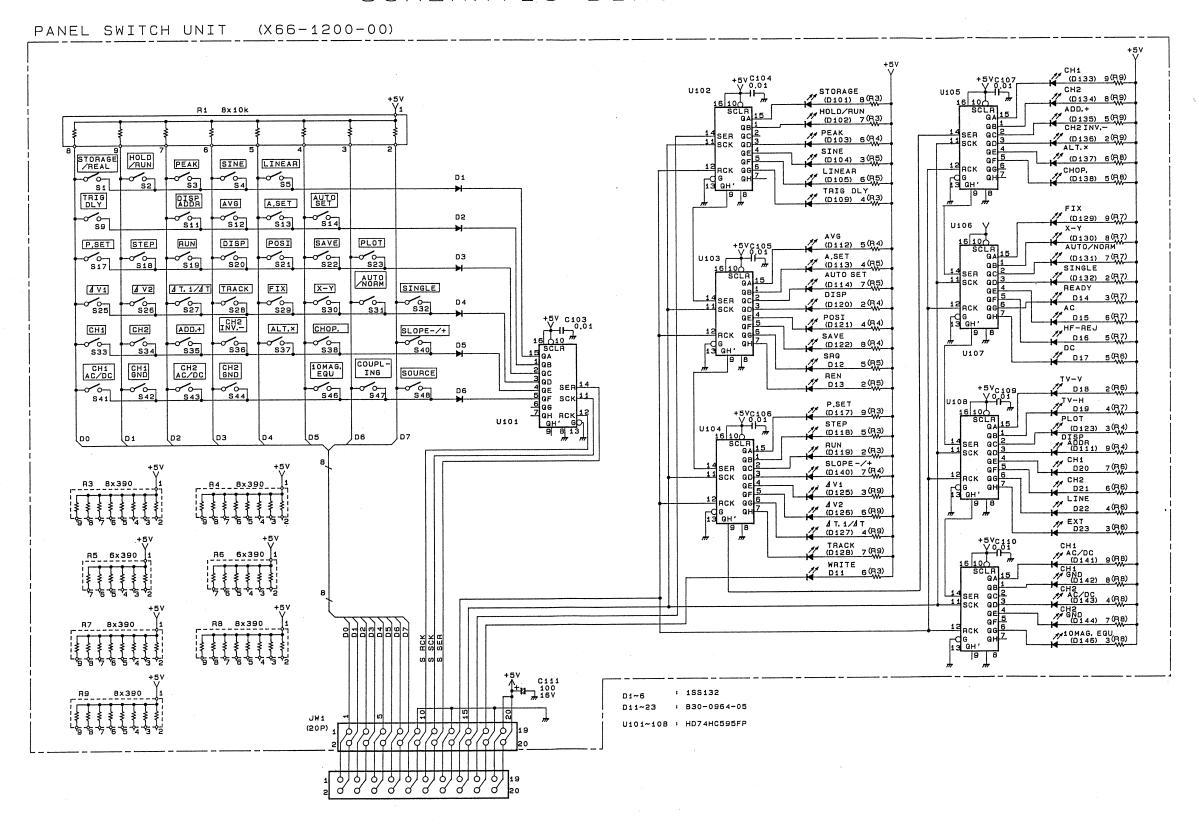


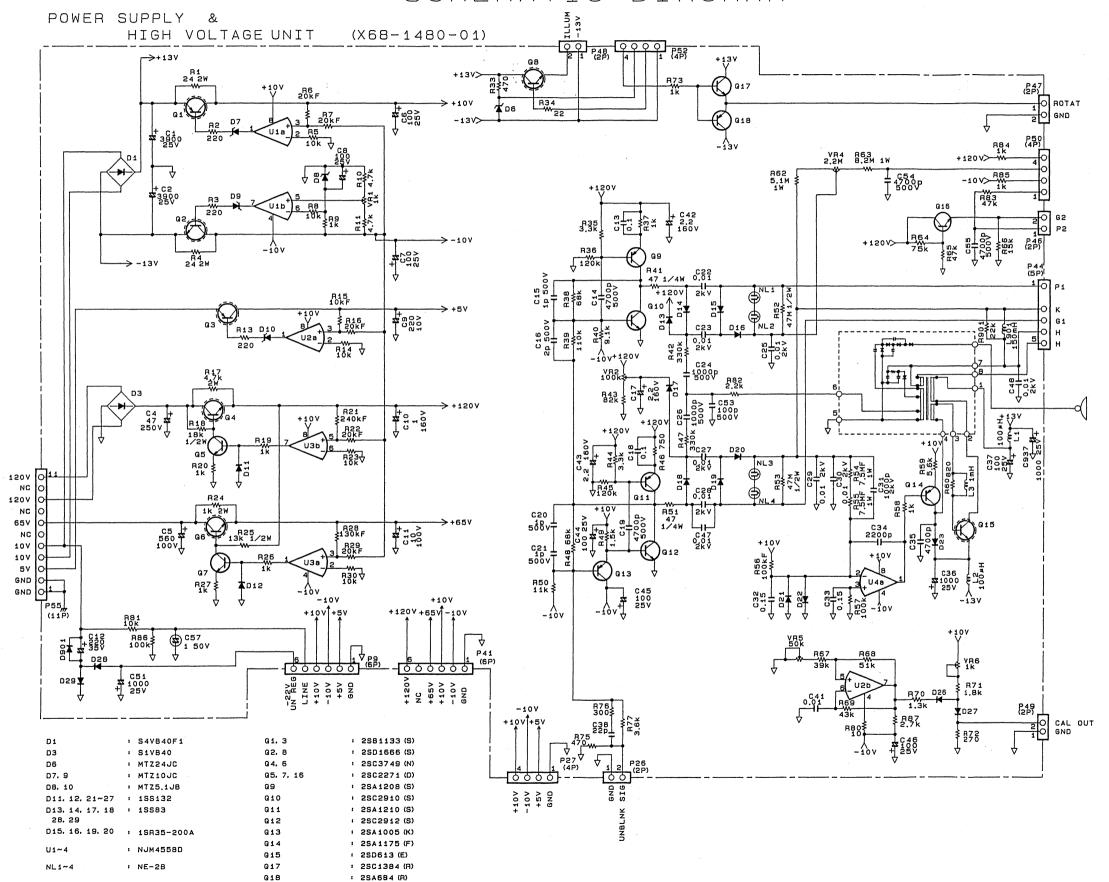


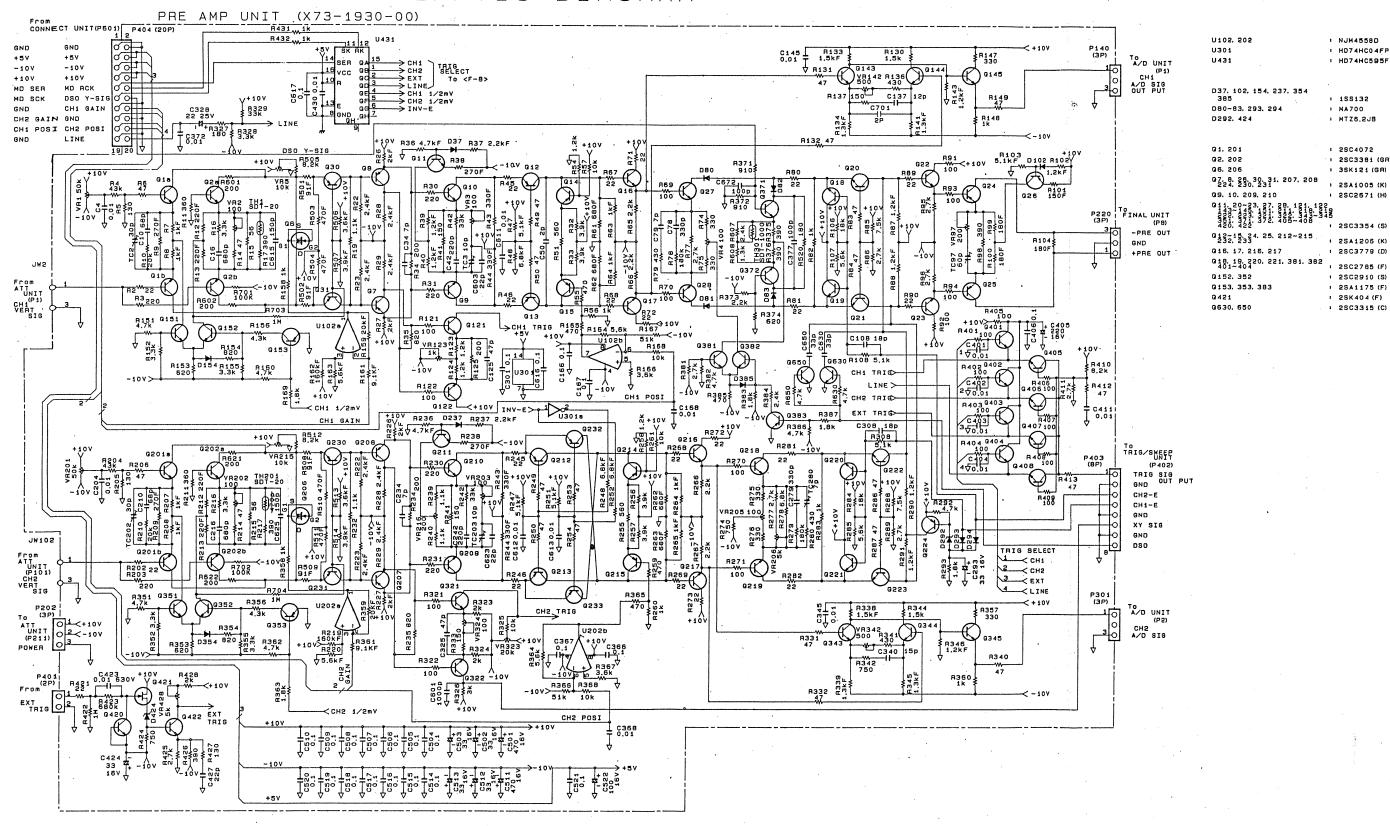












HD74HC04FP

188132

1 MA700

: MTZ5,2J8

1 2SC3381 (GR

: 35K121 (GA)

1 25A1005 (K)

: 2SC2671 (H)

1 2SC3354 (S)

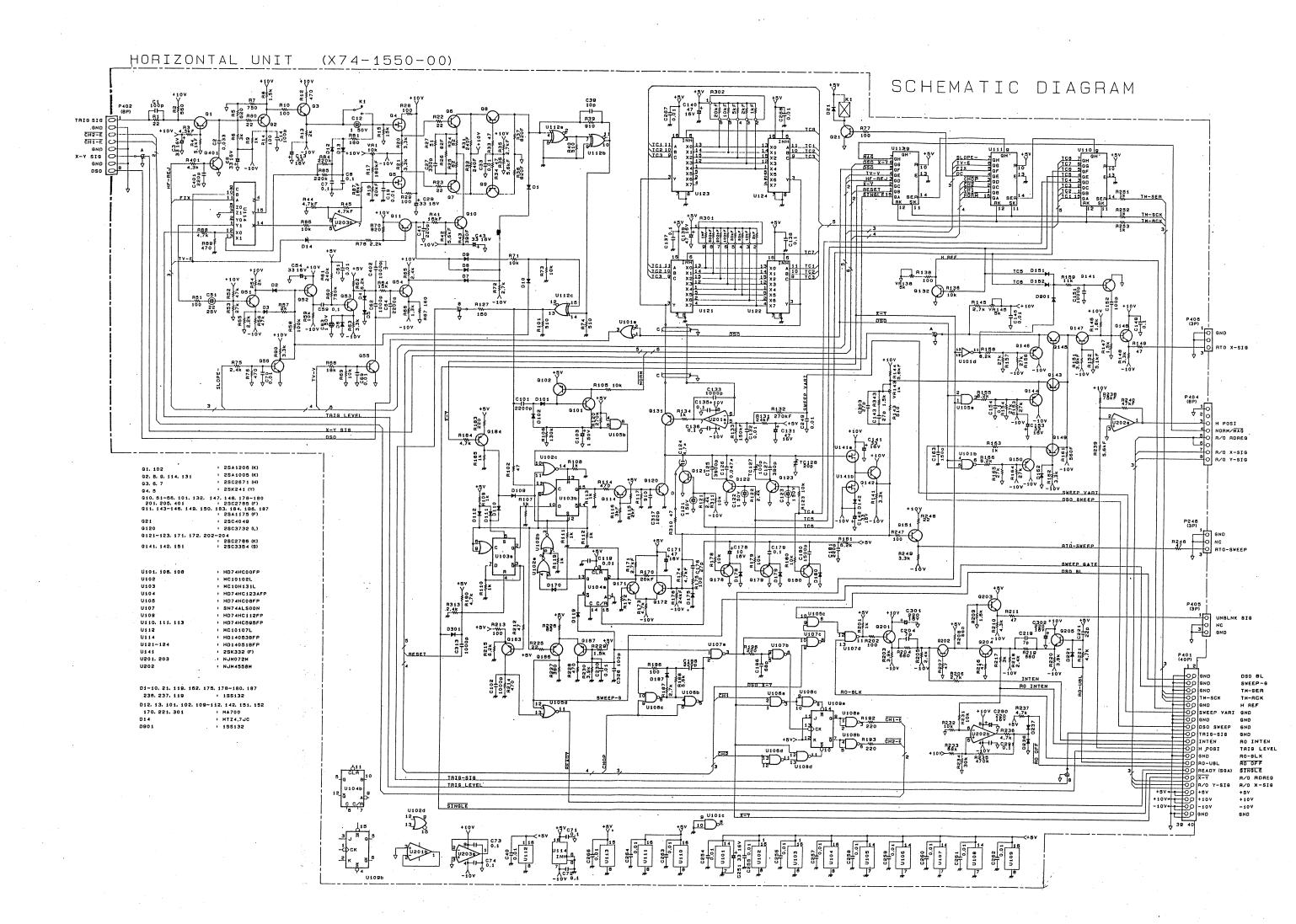
: 2SA1205 (K) : 2SC3779 (D)

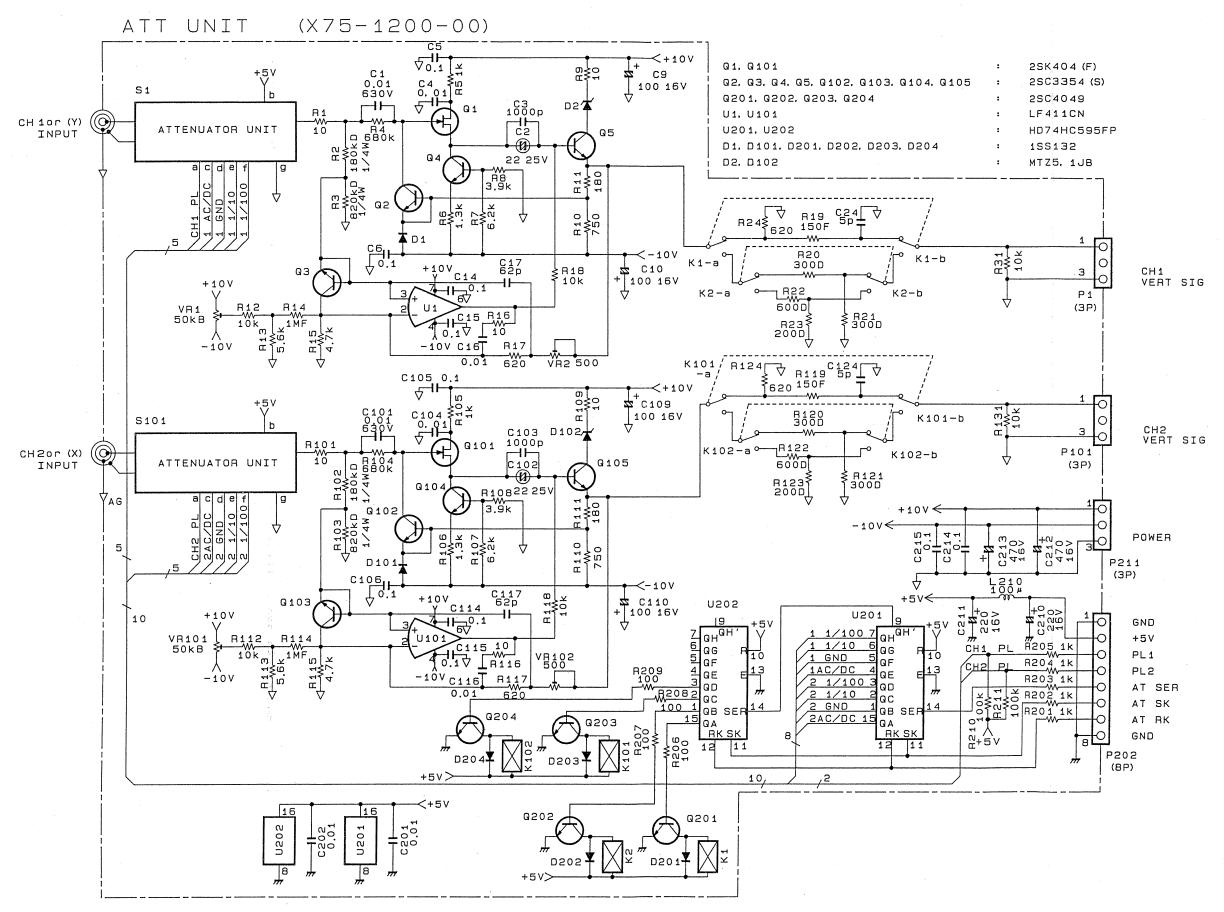
: 25C2910 (S)

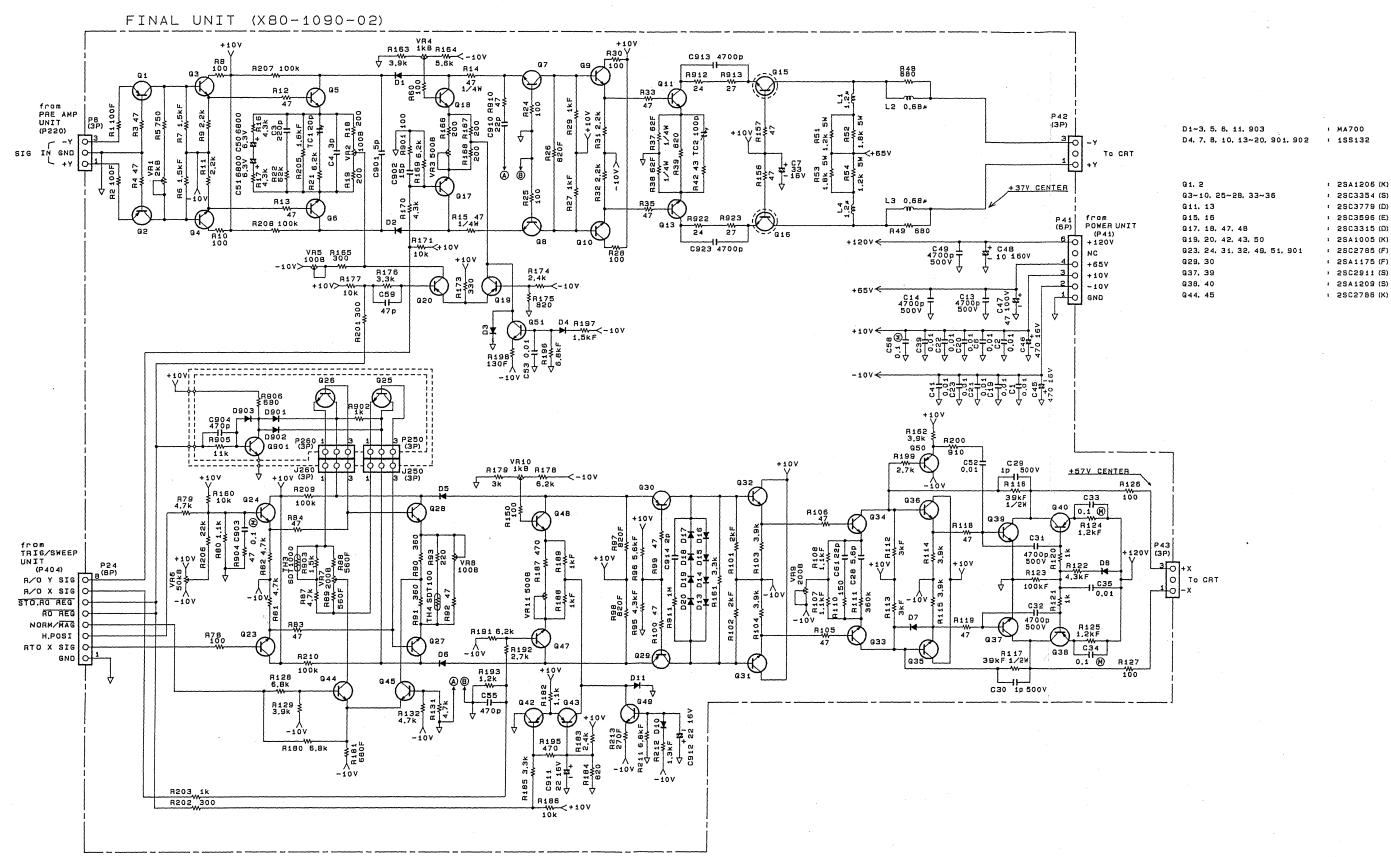
2SA1175 (F)

: 25K404(F)

: 2SC3315 (C)







TORAGE

UNIT (X77-

1730-

00)

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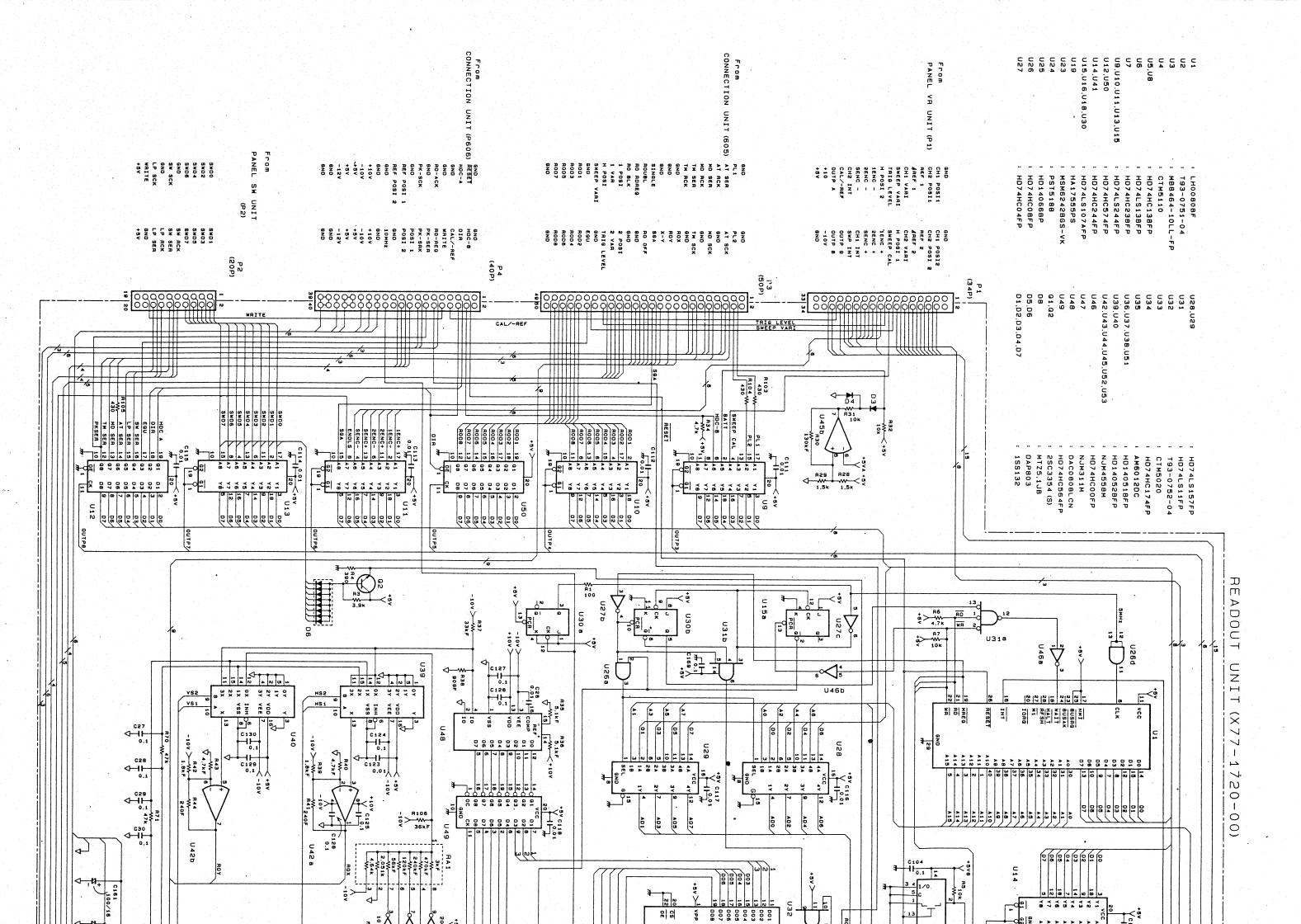
ATIC

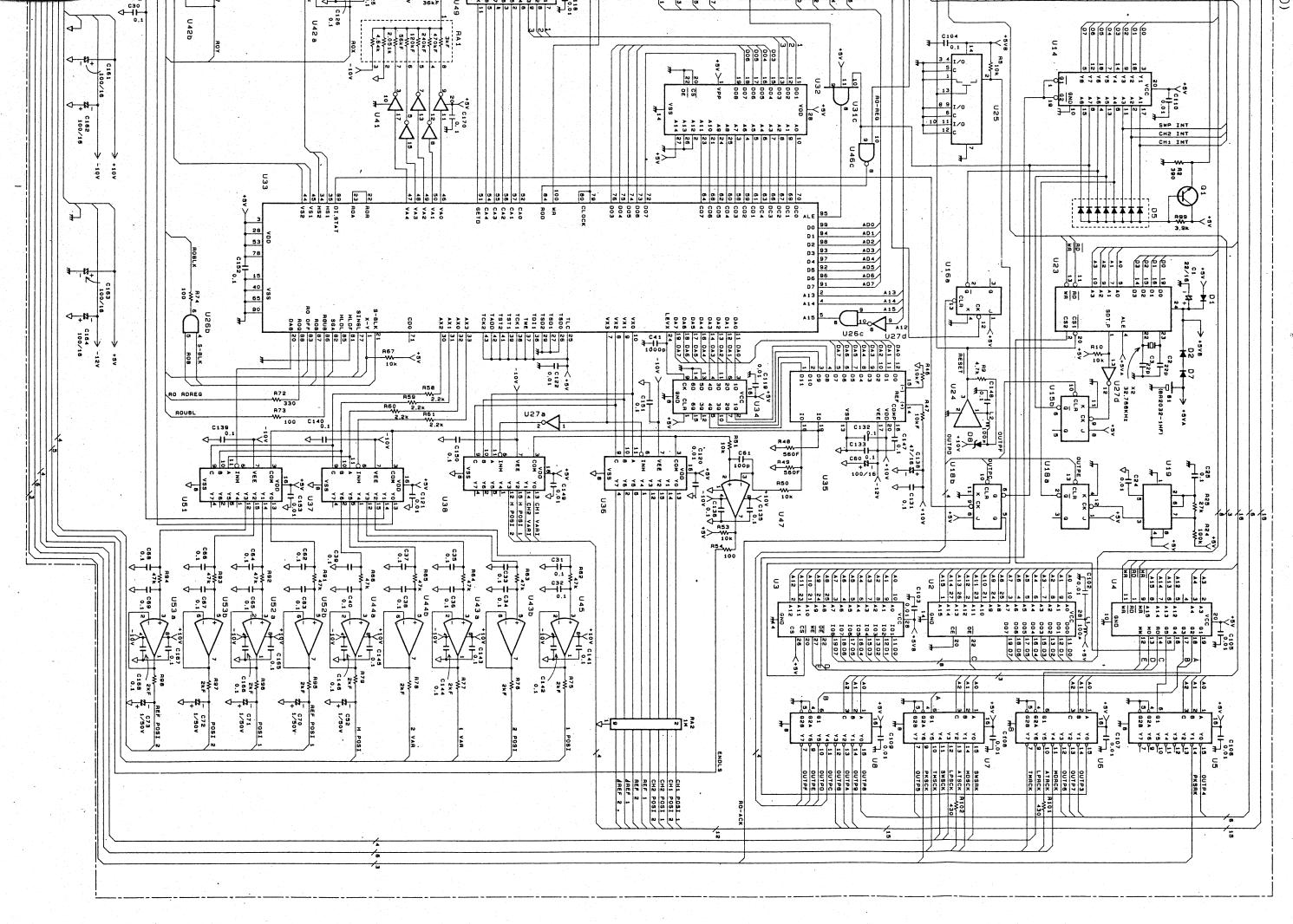
AG

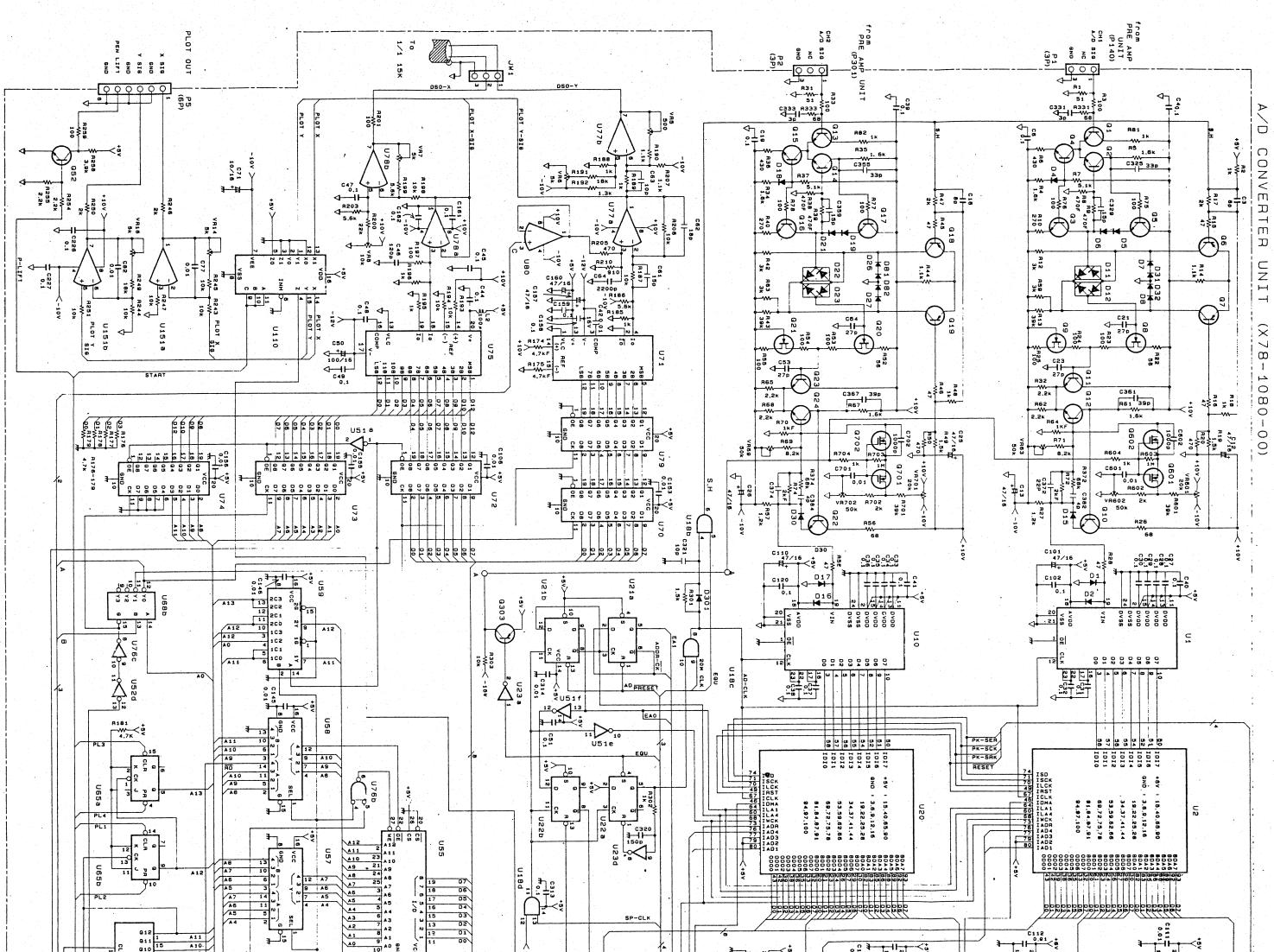
D

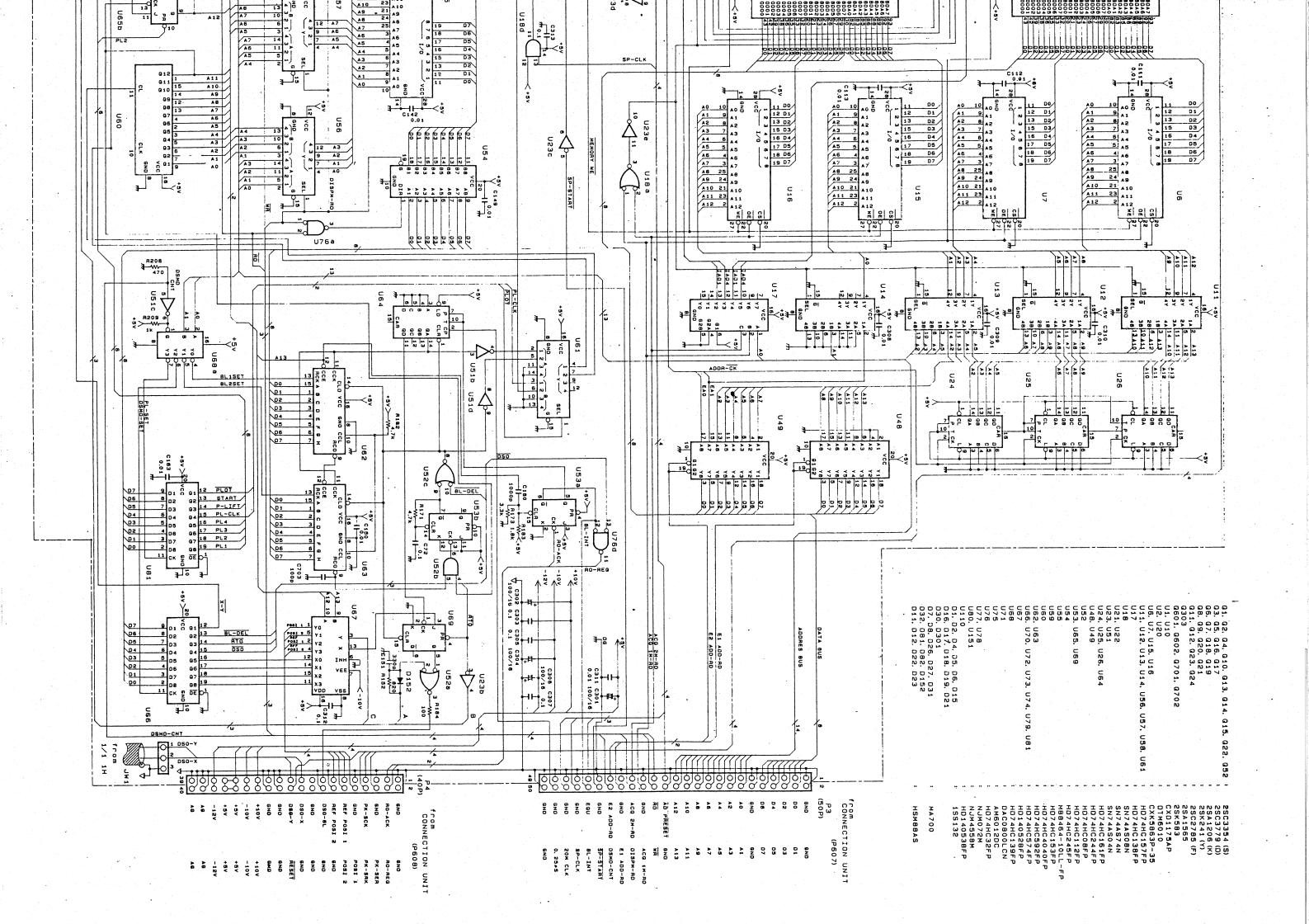
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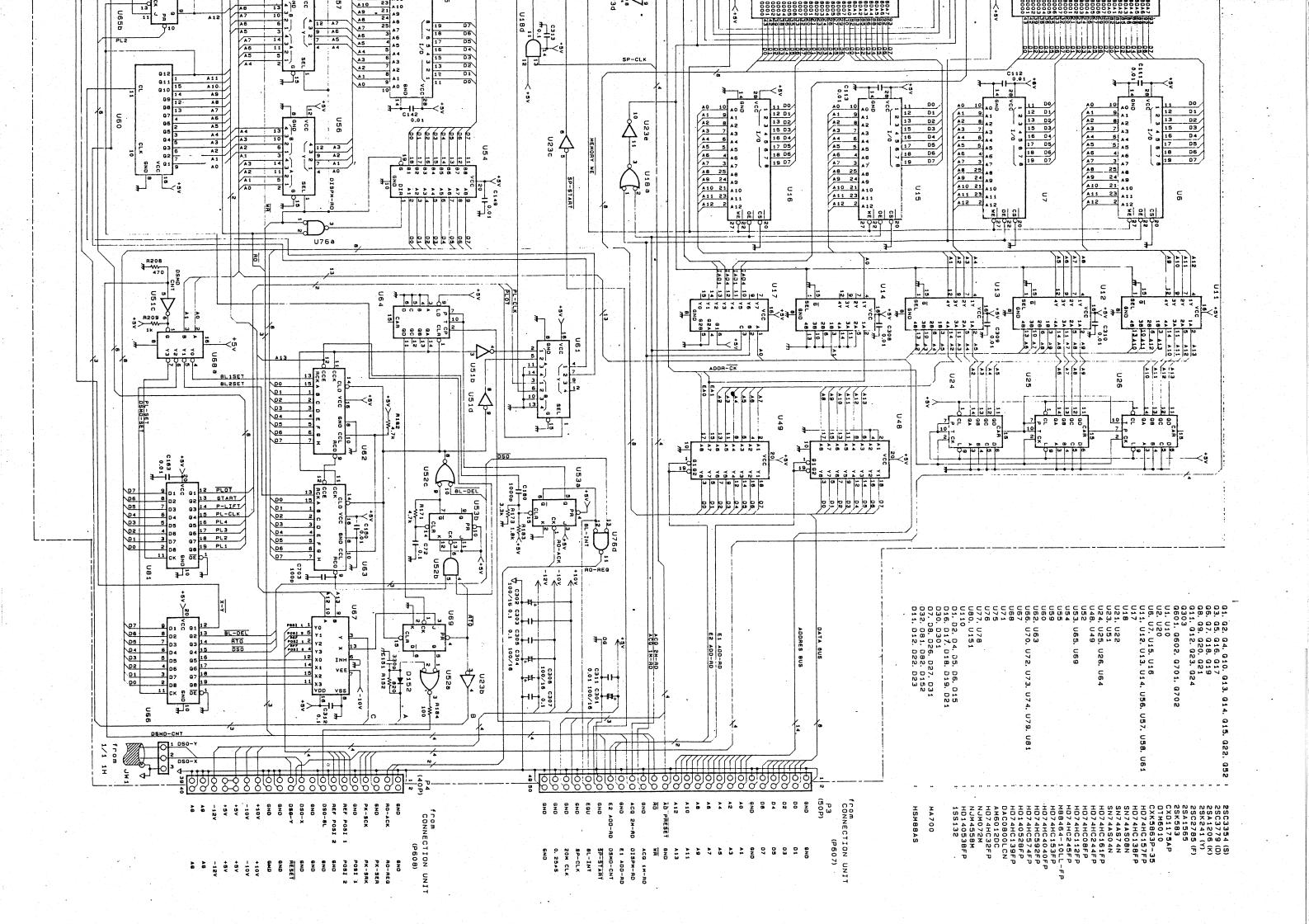
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SHIELD PLATE; FOR PRE AMP UNIT

```
Y70-1720-00
REF. NO
          PARTS NO
                              NAME & DESCRIPTION
        A01-1246-02
                          CASE, TOP
        A 0 1 - 1 2 4 7 - 0 2
                          CASE, BOTTOM
        A 1 1 - 0 5 0 4 - 0 2
                          CHASSIS, FOR UNIT
        A11-0505-02
                          CHASSIS, FOR UNIT
        A13-0914-02
                          FRAME, LEFT
        A13-0964-02
                          FRAME, CENTER
        A13-0965-02
                          FRAME, TOP
                          FRAME, BOTTOM
        A 1 3 - 0 9 6 6 - 0 2
        A13-0967-02
                          FRAME, FRONT & TOP
        A 1 3 - 0 9 6 8 - 0 2
                          FRAME, FRONT & BOTTOM
        A21-1181-12
                          DECORATIVE PANEL
        A63-0035-23
                          PANEL ASS'Y
        A83-0024-02
                          REAR PANEL
        B11-0518-04
                          FILTER
        B30-0952-05
                          LAMP (T4.2
                                      8V 0.15A)
                          LAMP ASS'Y; SCALE ILLUMINATION
        B30-0997-05
        B39-0407-04
                          SPACER
        B42-3699-04
                          SERIAL NO. PLATE
        B63-0058-00
                          INSTRUCTION MANUAL; JAPANESE
        B63-0059-00
                          INSTRUCTION MANUAL: ENGLISH
        B63-0113-00
                          GP-IB MANUAL; JAPANESE
                          GP-IB MANUAL; ENGLISH
        B63-0114-00
                          NAME PLATE; MODEL NO.
        B73-0004-13
        D21-0915-04
                          EXTENSION SHAFT
        D 2 2 - 0 5 0 1 - 0 4
                          JOINT & COUPLING
        E04-0259-05
                          BNC RECEPTACLE
        E18-0365-05
                          AC SELECTOR WITH 6X30MM FUSE
        E18-0366-15
                          AC SELECTOR WITH 5X20MM FUSE
                          TERMINAL, CAL
        E21-0660-04
        E21-0667-05
                          METAL TERMINAL
        E23-0513-05
                          EARTH LUG, BNC
        E23-0552-04
                          EARTH TERMINAL
        E30-1644-15
                          BS
                                  POWER CORD
        E30-1818-05
                                  POWER CORD SET
                          JIS
        E30-1819-15
                          CEE
                                  POWER CORD SET
        E30-1820-05
                          UL/CSA POWER CORD SET
                                  POWER CORD SET
        E30-1821-05
                          SAA
                          WIRE ASS'Y; INLET TO GND
        E31-0717-25
                          WIRE ASS'Y; EXT. TRIG TO P401
        E38-0331-05
        E38-0335-05
                          WIRE ASS'Y; P202 TO P201
        E38-0336-05
                          WIRE ASS'Y; P140 TO P2
        E38-0337-05
                          WIRE ASS'Y; P301 TO P1
        E38-0344-15
                          WIRE ASS'Y; PEN OUT TO P6
                          WIRE ASS'Y; P403 TO P402
        E38 - 0346 - 05
        E38-0347-05
                          WIRE ASS'Y; P604 TO P202
                          WIRE ASS'Y; P611 TO P2
        E38-0348-05
                          WIRE ASS'Y; RS-232C TO P602
        E38-0349-05
                          WIRE ASS'Y; GP-IB TO P2
        E38-0350-15
                          WIRE ASS'Y; P82 TO TRANS.
        E38-0361-15
                          WIRE ASS'Y; P402 TO P6
        E38-0363-05
                          WIRE ASS'Y; P401 TO P7
        E38-0364-05
        E38-0488-05
                          WIRE ASS'Y; P246 TO P101
        E38-0563-05
                          WIRE ASS'Y; P501/502/503 TO
        F05-1023-05
                          FUSE (6X30MM)
                                            1A/250V
        F06-1022-05
                          FUSE (5X20MM)
                                            T1A/250V
        F09-0512-04
                          EDGING
        F10-1643-03
                          SHIELD PLATE
        F10-1644-04
                          SHIELD PLATE
```

F10-1647-03

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Y70-1720-00
 REF. NO
         PARTS NO
                             NAME & DESCRIPTION
        F10-1648-03
                          SHIELD PLATE; FOR ATT UNIT
        F11-1206-13
                          CRT SHIELD
        F15-0733-04
                          FELT (CRT SHIELD)
        F20-0639-04
                          INSULATOR
                          INSULATED SHEET
        F20-0658-04
        F20-0695-04
                          INSULATED SHEET
        F29-0519-03
                          INSULATED SHEET
        F31-0607-04
                          BRACKET, FOR HANDLE
        F51-0012-05
                          FUSE(6.3X32MM)
                                           TO. 25A/250V
                          FOAMED STYRENE PAD (FRONT)
        H10-2828-22
                          FOAMED STYRENE PAD (REAR)
        H10-2829-12
        H20-1727-04
                          VINYL COVER
        H53-0042-04
                          CARTON BOX
        J02-0089-05
                          RUBBER FOOT (REAR)
        J02-0512-05
                          FOOT (SMALL)
        J02-0515-04
                          TILT STAND
        J11-0046-05
                          CABLE CLAMP
        J19-1651-14
                          BRACKET
        J19-1652-04
                          BRACKET FOR P.C.B.
        J19-1653-23
                          HOLDER FOR CRT
        J21-2573-04
                          HOLDER FOR LEG
                          BRACKET, FOR CRT
        J21-4594-33
        J21-4753-04
                          BRACKET
        J21-4754-04
                          BRACKET
        J21-4756-04
                          BRACKET
        J21-4757-04
                          BRACKET
        J21-4762-14
                          BRACKET
        J30-0623-04
                          SPACER
        J31-0604-04
                          SPACER
        J39 - 0536 - 05
                          SPACER
        J42-0522-04
                          BUSHING (FREE)
        J59-0403-05
                          NYLON RIVET (ILLUMI)
        J61-0516-05
                          SUPPORT
        K01-0545-05
                          HANDLE
        K21-0919-04
                          KNOB; A
        K21-0920-04
                          KNOB; B
        K21-0921-04
                          KNOB; C
        K23-0814-04
                          KNOB; D
        K 27-0538-04
                          BUTTON; POWER SWITCH
        K27-0543-04
                          BUTTON (39 USED)
        L01-9968-15
                          POWER TRANSFORMER
        L39-0531-05
                          ROTATION COIL
        L76-0120-05
                          DELAY LINE
        N08-0611-04
                          SCREW (FOR CORD WRAP)
        N09-0623-04
                          SCREW, SEMS PAN HD M3X8
        N09-0654-05
                          SCREW, SEMS PAN HD M4X8
        N09 - 0739 - 05
                          SCREW, SEMS BINDING TAPTITE 3X8
        N09 - 0748 - 04
                          SCREW, SEMS PANCHD M4X12
        N09-0757-05
                          SCREW, SEMS BINDING TAPTITE 3X6
        N09-0799-05
                          SCREW, SEMS BINDING TAPTITE3X12
        N09-0800-05
                          SCREW, SEMS PAN HD M3X14
        N10-2030-41
                          NUT, HEX
                                            М3
        N16 - 0030 - 41
                          SPRING WASHER
        N 17 - 1030 - 41
                          LOCK WASHER
        N19-0191-05
                          WASHER NONMETAL
        N30 - 3006 - 41
                          SCREW, PAN HD
                                           M3X6
        N30-3010-41
                          SCREW, PAN HD
                                           M3X10
        N32-3006-41
                          SCREW, FLAT HD
                                           M3X6
        N32-4006-41
                          SCREW, FLAT HD
                                            M4X6
```

Y70-1720-00 REF. NO PARTS NO N.88 - 3008 - 41N89-3006-41 T40-0417-15 W01-0503-04 W03-2307-05 X66-1120-00 X66-1200-00 X68-1480-01X69-1220-00 X73-1930-00X74-1550-00X75-1200-00 X77-1720-00 X77-1730-00

X78-1080-00

 $X \cdot 8 \cdot 0 - 1 \cdot 0 \cdot 9 \cdot 0 - 0 \cdot 2$

150VTM31

X80-1230-00

NAME & DESCRIPTION SCREW, FLAT HD TAPTITE 3X8 SCREW, BINDING TAPTITE 3X6 FAN REAR RUBBER FOOT/CORD WRAP R/O PROBE (PC-33) PANEL VR UNIT PANEL SW UNIT POWER SUPPLY UNIT CONNECTION UNIT PRE AMP UNIT HORIZONTAL UNIT ATT UNIT READOUT UNIT STORAGE UNIT A/D CONVERTER UNIT FINAL UNIT AC FILTER UNIT CRT

```
PANEL VR UNIT
                                      A R T S
                                                    I. I S T
(X66-1120-00)
                                 NAME & DESCRIPTION
  REF. NO
           PARTS NO
                             PCB (UNMOUNTED)
          J73-0114-12
                                                1000P 10%
                                                             50 V
                             CAP. CERAMIC
   C 1
          CK45FB1H102K
                                                1000P 10%
                                                             50 V
   C 2
                             CAP.
                                   CERANIC
          CK45FB1H102K
                                                1000P 10%
                                                             50 V
                             CAP.
                                   CERAMIC
   C.3
          CK45FB1H102K
                                                       10%
                                                             50 V
                                                1000P
   C 4
          CK45FB1H102K
                             CAP.
                                   CERAMIC
                                                             50 V
                             CAP.
                                   CERAMIC
                                                1000P
                                                       10%
          CK45FB1H102K
   C 5
                                                       10%
                             CAP. CERAMIC
                                                1000P
                                                             50 V
          CK45FB1H102K
   C6
                                                1000P 10%
                                                             50 V
                             CAP.
                                   CERAMIC
   C7
          CK45FB1H102K
                                                             50 V
                                                1000P
                             CAP.
                                   CERAMIC
                                                       10%
          CK45FB1H102K
   C8
                                                             50 V
                                                1000P 10%
                             CAP.
                                   CERAMIC
          CK45FB1H102K
   C 9
                                                             50 V
                             CAP.
                                                1000P
                                                       10%
                                   CERAMIC
   C10
          CK45FB1H102K
                                                             50 V
                                                1000P
                                                       10%
                             CAP.
                                   CERAMIC
          CK45FB1H102K
   C11
                                                             50 V
                             CAP.
                                                1000P 10%
                                   CERAMIC
          CK45FB1H102K
   C 1 2
                                                1000P 10%
                                                             50 V
                             CAP. CERAMIC
          CK45FB1H102K
   C13
                                                0.1 80/-10% 50V
                             CAP. CERAMIC
   C31
          C91-1315-05
                                                0.180/-10\%50V
                              CAP. CERAMIC
   C32
          C91 - 1315 - 05
                                                 0.1 80/-10\% 50V
   C33
          C91-1315-05
                              CAP. CERAMIC
                                                              50 V
                              CAP. CERAMIC
                                                 0.01
          CK45FF1H103Z
   C101
                              CAP. CERAMIC
                                                 0.01
                                                              50 V
   C102
           CK45FF1H103Z
                                                              50 V
                                                 0.01
                              CAP.
                                   CERAMIC
           CK45FF1H103Z
   C103
                                                              50 V
                                                 0.01
                              CAP.
                                   CERAMIC
   C104
           CK45FF1H103Z
                                                              50 V
                                                 0.01
   C105
           CK45FF1H103Z
                              CAP.
                                   CERAMIC
                                                              50 V
           CK45FF1H103Z
                              CAP. CERAMIC
                                                 0.01
    C106
                                                 0.01
                                                              50 V
                              CAP. CERAMIC
    C107
           CK45FF1H103Z
                                                              50 V
                                                 0.01
           CK45FF1H103Z
                              CAP. CERAMIC
    C108
    C109
            NO USE
                                                 47
                                                        20%
                                                              16 V
                              CAP.
                                   ELECTRO
           CE04EW1C470M
    C110
                                                        20%
                                                              16 V
                                                 47
           CE04EW1C470M
                              CAP.
                                   ELECTRO
    C111
                                                 47
                                                        20%
                                                              16 V
           CE04EW1C470M
                              CAP. ELECTRO
    C112
    D32
           188132
                              DIODE
    JL901 E38-0446-05
                              WIRE ASS'Y
                              WIRE ASS'Y
    JW1
           E38-0357-05
                                                             1/6W
                                                        1 %
                              RES.
                                    METAL FILM 10K
    R 1
           RN14BK2C1002F
                                                             1/6W
                                                        1 %
                                    METAL FILM 2.7K
    R 2
           RN14BK2C2701F
                              RES.
                                                        5 %
                                                             1/6W
                                                 22
           RD14BB2C220J
                              RES.
                                    CARBON
    R 3
                                    CARBON
                                                        5 %
                                                             1/6W
           RD14BB2C513J
                              RES.
                                                 51 K
    R 1 1
                                   CARBON
                                                 51 K
                                                        5 %
                                                             1/6W
                              RES.
    R 12
           RD14BB2C513J
                                                             1/6W
                                                        5 %
                                   CARBON
                                                 51 K
    R 13
           RD14BB2C513J
                              RES.
                                                             1/6W
                                                 51 K
                                                        5 %
           RD14BB2C513J
                              RES.
                                    CARBON
    R14
                                                             1/6W
                                                        5 %
                              RES.
                                    CARBON
                                                 51 K
    R 15
           RD14BB2C513J
                                                        5 %
                                                             1/6W
                                                 51 K
           RD14BB2C513J
                              RES. CARBON
    R 16
                                                        5 %
                                                             1/6W
                                                 100
                              RES. CARBON
    R34
           RD14BB2C101J
                                                 1 K
                                                        5 %
                                                             1/6W
    R35
           RD14BB2C102J
                              RES. CARBON
                                                             1/6W
                                                        5 %
    R36
           RD14BB2C105J
                              RES. CARBON
                                                 1 M
                                                             1/6W
                                                        5 %
    R37
           RD14BR2C102J
                              RES. CARBON
                                                 1 K
                                    CARBON
                                                 10 K
                                                        5 %
                                                             1/6W
           RD14BB2C103J
                              RES.
    R38
                                                 10 K
                                                        5 %
                                                             1/6W
                              RES. CARBON
           RD14BB2C103J
    R39
                                                        5 %
                                                             1/6W
                               RES.
                                    CARBON
                                                 1.5K
    R80
           RD14BB2C152J
                                                        5%
                                                             1/6W
                                                 1.5K
           RD14BB2C152J
                               RES.
                                    CARBON
    R81
                                                             1/6W
                                                        5 %
                               RES.
                                    CARBON
                                                 1.5K
    R82
           RD14BB2C152J
```

```
X66-1200-00
 REF. NO
          PARTS NO
                                NAME & DESCRIPTION
  S19
         S40-2525-05
                            SWITCH
  S 2 0
         S40-2525-05
                            SWITCH
  S 2 1
         S40-2525-05
                            SWITCH
  S 2 2
         S40 - 2525 - 05
                            SWITCH
  S 2 3
         S40 - 2525 - 05
                            SWITCH
  S 2 4
          NO USE
         S40-2525-05
  S 2 5
                            SWITCH
  S 26
         S40-2525-05
                            SWITCH
         S40-2525-05
  S27
                            SWITCH
  S 28
         S40-2525-05
                            SWITCH
  S 2 9
         S40-2525-05
                            SWITCH
  S30
         S40-2525-05
                            SWITCH
         S40-2525-05
                            SWITCH
  S31
         S40-2525-05
                            SWITCH
  S32
  S33
         S40-2525-05
                            SWITCH
  S34
         S40-2525-05
                            SWITCH
  S35
         S40 - 2525 - 05
                            SWITCH
  S36
         S40 - 2525 - 05
                            SWITCH
  S 3 7
                            SWITCH
         S40-2525-05
                            SWITCH
  S38
         S40-2525-05
  S39
          NO USE
  S 4 0
                            SWITCH
         S40-2525-05
  S 4 1
         S40 - 2525 - 05
                            SWITCH
  S 4 2
         S40 - 2525 - 05
                            SWITCH
  S 4 3
         S40-2525-05
                            SWITCH
  S 4 4
         S 4 0 - 2 5 2 5 - 0 5
                            SWITCH
          NO USE
  S 4 5
                            SWITCH
  S46
         S40-2525-05
  S 4 7
         S40-2525-05
                            SWITCH
                            SWITCH
  S48
         S40 - 2525 - 05
         HD74HC595FP
                            IC, 8-BIT SHIFT REGISTER/LATCH
  U 1 0 1
         HD74HC595FP
                            IC, 8-BIT SHIFT REGISTER/LATCH
  U 1 0 2
  U103
         HD74HC595FP
                            IC,8-BIT SHIFT REGISTER/LATCH
  U104
         HD74HC595FP
                            IC, 8-BIT SHIFT REGISTER/LATCH
  U 1 0 5
         HD74HC595FP
                            IC,8-BIT SHIFT
                                              REGISTER/LATCH
                            IC,8-BIT SHIFT REGISTER/LATCH
  U106
         HD74HC595FP
  U107
         HD74HC595FP
                            IC, 8-BIT SHIFT REGISTER/LATCH
  U108
         HD74HC595FP
                            IC,8-BIT SHIFT REGISTER/LATCH
```

```
PANEL SW UNIT
                                                      LIST
                                      PARTS
(X66-1200-00)
                                  NAME & DESCRIPTION
  REF. NO
            PARTS NO
                              PCB (UNMOUNTED)
           J73 - 0113 - 03
                                                                50 V
   C103
           CK45FF1H103Z
                              CAP. CERAMIC
                                                  0.01
                                                  0.01
                                                                50 V
                              CAP. CERAMIC
   C104
           CK45FF1H103Z
                                                                50 V
                                                  0.01
                              CAP.
                                    CERAMIC
   C105
           CK45FF1H103Z
                                                                50 V
                                                  0.01
   C106
           CK45FF1H103Z
                              CAP.
                                    CERAMIC
                                                                50 V
   C 1 0 7
          CK45FF1H103Z
                              CAP. CERAMIC
                                                  0.01
   C108
            NO USE
                                                  0.01
                                                                50 V
           CK45FF1H103Z
                              CAP. CERAMIC
   C109
                                                                50V
                              CAP. CERAMIC
                                                  0.01
           CK45FF1H103Z
   C110
                                                          20%
                                                                16 V
                                                  100
           CE04EW1C101M
                              CAP. ELECTRO
   C111
           155132
                               DIODE
   D 1
           1SS132
                               DIODE
   D 2
                               DIODE
   D 3
           155132
                               DIODE
           1SS132
   D 4
                               DIODE
   D 5
           188132
                               DIODE
   D6
           188132
   D 1 1
           B30-0964-05
                               LED
           B30-0964-05
                               LED
   D 1 2
                               LED
           B30-0964-05
    D13
    D 1 4
           B30-0964-05
                               LED
           B30-0964-05
                               LED
    D15
           B30-0964-05
    D16
                               LED
    D17
           B30-0964-05
                               LED
                               LED
    D18
           B30-0964-05
                               LED
    D19
           B30-0964-05
    D 2 0
           B30 - 0964 - 05
                               LED
                               LED
    D 2 1
           B30-0964-05
                               LED
    D 2 2
           B30-0964-05
    D 2 3
           B30-0964-05
                               LED
    JW1
           E38-0356-05
                               WIRE ASS'Y
                               RES.
                                     NETWORK
                                                   8X10K 5%
           R90-0653-05
    R 1
    R 2
            NO USE
                                                   8X390 5%
                               RES.
                                     NETWORK
    R3
           R90-0614-05
                                                   8X390 5%
           R90-0614-05
                               RES.
                                     NETWORK
    R 4
                                                          5 %
                               RES.
                                     NETWORK
                                                   6 X 3 9 0
    R 5
           R90-0639-05
                                                   6 X 3 9 0
    R6
           R90-0639-05
                               RES.
                                     NETWORK
                                                          5 %
           R 9 0 - 0 6 1 4 - 0 5
                               RES.
                                     NETWORK
                                                   8 X 3 9 0
                                                          5 %
    R 7
           R90-0614-05
                               RES.
                                     NETWORK
                                                   8 X 3 9 0
                                                          5 %
    R 8
                               RES.
                                     NETWORK
                                                   8 X 3 9 0
                                                          5 %
    R 9
           R90-0614-05
    S 1
           S40 - 2525 - 05
                               SWITCH
                               SWITCH
    S 2
           S40-2525-05
    S3
           S40-2525-05
                               SWITCH
                               SWITCH
    S 4
           S40-2525-05
    S 5
           S40 - 2525 - 05
                               SWITCH
    S 9
           S40 - 2525 - 05
                               SWITCH
             NO USE
    S10
                               SWITCH
    S11
            S40-2525-05
                               SWITCH
    S 1 2
            S40-2525-05
    S13
            S40 - 2525 - 05
                                SWITCH
            S40 - 2525 - 05
                                SWITCH
    S 1 4
    S17
            S40 - 2525 - 05
                                SWITCH
    S18
            S40 - 2525 - 05
                                SWITCH
```

1

X66-1120	0 - 0 0		1 21 11 1	5 L	1 5 1
	PARTS NO	N	AMF & DES	CRIPTIO	N .
R83					
R 8 4					
R85					
R86					
R87	RD14BB2C104J				5% 1/6W
R88	RD14BB2C104J		CARBON	100K	
N O O	ND14DDZO1V4J	KLS.	CANDON	1001	3% 1/0W
R A 2	R 9 0 - 0 6 5 2 - 0 5	DEC	метиори	CVIA	v = 0/
N A Z	N 9 0 - 0 0 3 2 - 0 3	NES.	NEIWOKK	6 7 1 0	n oh
S 1	W02-0498-05	FNCOI	rner chit	. C H	
	W02-0498-05				
S 3	W02-0498-05				
50	W V Z - V 4 0 0 V 0	L MOOI	UDEN DWIT	O II	
11.1.6	HD74LS107AFP	10 01	HAD IK-FE	. ыттн с	IFAR
U 1 7	HD74LS107AFP				
017	ID4 ABBIOTATI	10.942		WIII	LLAN
U 2 O	HD74HC08FP	10.01	UAD 2-INP	TIT AND	GATE
U 2 1					
U 2 2	HD74HC7266FP				
0 15 15	no ino ino in	10,4		or non	ON 1 D
U108	NJM4558M	IC.DI	UAL OP-AM	[P	
U109		•	UAL OP-AM		
0100	Non room	10,0		•	
VR1	R10-3504-15	ENDLI	ESS VOLUM	IE 2X10	K B
VR2					
V R 3	R10-3504-15				
V R 4	R 1 0 - 3 5 0 4 - 1 5				
V R 5					
V R 6	R05-3514-05			20 K	
1 11 0	1100 0011 00	. 0 2 0 1		2 0 M	~

```
POWER SUPPLY UNIT
                                    PARTS
                                                    LIST
(X68-1480-01)
  REF. NO
           PARTS NO
                                 NAME & DESCRIPTION
          F01-0813-05
                             HEAT SINK
                                         (CONVERTER)
          F01-0858-03
                             HEAT SINK (POWER TR)
          F10-1601-04
                             SHIELD PLATE
          F15-0727-04
                             HOLDER (NEON LAMP)
          J25-5182-32
                             PCB (UNMOUNTED)
          N09-0623-04
                             SCREW, SEMS PAN HD M3X8
          N09-0731-05
                             SCREW, SEMS PAN HD M3X12
          N14-0626-04
                             NUT
          R92-0150-05
                             JUMPING RES.
                                                ZERO OHM (10MM)
          W02-0431-05
                             HIGH VOLTAGE
                                            BLOCK
   C 1
          C90-0970-05
                             CAP.
                                  ELECTRO
                                                3900
                                                       20%
                                                              25 V
   C 2
          C90-0970-05
                             CAP. ELECTRO
                                                3900
                                                       20%
                                                              25 V
   C3
           NO USE
   C4
          CE04W2E470M
                             CAP. ELECTRO
                                                47
                                                       20%
                                                             250 V
   C 5
          C90 - 0969 - 05
                             CAP. ELECTRO
                                                560
                                                       20%
                                                             100V
   C 6
          CE04EW1E101M
                             CAP. ELECTRO
                                                100
                                                       20%
                                                             25 V
   C7
          CE04EW1E101M
                             CAP. ELECTRO
                                                100
                                                       20%
                                                             25 V
   C 8
          CE04EW1E101M
                             CAP. ELECTRO
                                                100
                                                       20%
                                                             25 V
   C9
          CE04EW1A221M
                            CAP.
                                   ELECTRO
                                                220
                                                       20%
                                                             1 0 V
   C10
          CE04W2C010M
                             CAP.
                                   ELECTRO
                                                1
                                                       20%
                                                             160 V
   C 1 1
          CE04EW2A100M
                             CAP.
                                   ELECTRO
                                                10
                                                       20%
                                                             100V
   C12
          CE04EW1V221M
                             CAP. ELECTRO
                                                220
                                                       20%
                                                             35 V
   C13
          CQ92FM1H104K
                             CAP. MYLAR
                                                0.1
                                                       10%
                                                             50 V
   C14
          CK45FB2H472K
                                                             500V
                             CAP. CERAMIC
                                                4700P 10%
   C15
          CC45FCH2H010C
                             CAP. CERAMIC
                                                1 P
                                                      0.25P
                                                             500 V
   C16
          CC45FCH2H020C
                             CAP. CERAMIC
                                                2 P
                                                      0.25P
                                                             500 V
   C17
          CE04W2C2R2M
                             CAP. ELECTRO
                                                2.2
                                                       20%
                                                             160 V
   C18
          CQ92FM1H104K
                             CAP. MYLAR ~
                                                       10%
                                                             5 0 V
                                                0.1
   C19
          CK45FB2H472K
                             CAP.
                                                4700P 10%
                                  CERAMIC
                                                             500 V
   C 2 0
          CC45FCH2H010C
                             CAP.
                                  CERAMIC
                                                1 P
                                                      0.25P
                                                             500V
   C 2 1
                             CAP.
          CC45FCH2H010C
                                  CERAMIC
                                                1 P
                                                      0.25P
                                                             500V
   C 2 2
          C91 - 0571 - 05
                             CAP.
                                  CERAMIC
                                                0.01
                                                              2 K V
   C 2 3
          C91-0571-05
                             CAP.
                                   CERAMIC
                                                0.01
                                                              2 K V
   C 2 4
          CK45FB2H102K
                             CAP.
                                   CERAMIC
                                                             500V
                                                1000P 10%
   C 25
          C91-0571-05
                             CAP.
                                  CERAMIC
                                                0.01
                                                              2 K V
   C 26
          CK45FB2H102K
                             CAP.
                                  CERAMIC
                                                1000P 10%
                                                             500V
   C27
          C91-0571-05
                             CAP.
                                  CERAMIC
                                                0.01
                                                              2 K V
   C28
          C91-0571-05
                             CAP.
                                  CERAMIC
                                                0.01
                                                              2 K V
   C29
          C91-0571-05
                             CAP.
                                  CERAMIC
                                                0.01
                                                              2 K V
   C30
          C91-0571-05
                             CAP.
                                  CERAMIC
                                                0.01
                                                              2 K V
   C31
          CK45E3D102P
                             CAP.
                                  CERAMIC
                                                1000P
                                                             2 K V
   C32
          CQ92FM1H154K
                             CAP. MYLAR
                                                0.15
                                                       10%
                                                             50 V
   C33
          CQ92FM1H154K
                             CAP. MYLAR
                                                0.15
                                                       10%
                                                             50 V
   C34
          CK45FB1H222K
                             CAP.
                                  CERAMIC
                                                2\,2\,0\,0\,P
                                                       10%
                                                             50 V
   C35
          CK45FB1H472K
                             CAP. CERAMIC
                                                4700P
                                                             50 V
                                                       10%
   C36
          CE04EW1E102M
                                                1000
                             CAP.
                                   ELECTRO
                                                       20%
                                                             25 V
   C37
          CE04EW1E101M
                             CAP.
                                   ELECTRO
                                                100
                                                       20%
                                                             25 V
   C38
          CC45FCH1H220J
                             CAP. CERAMIC
                                                22P
                                                       5 %
                                                             50 V
   C41
          CQ92FM1H103J
                             CAP. MYLAR
                                                0.01
                                                       5 %
                                                             50 V
   C42
          CE04W2C2R2M
                             CAP. ELECTRO
                                                       20%
                                                2.2
                                                             160 V
   C43
          CE04W2C2R2M
                             CAP. ELECTRO
                                                2.2
                                                       20%
                                                             160 V
   C44
          CE04EW1E101M
                             CAP. ELECTRO
                                                100
                                                       20%
                                                             25 V
   C45
          CE04EW1E101M
                             CAP. ELECTRO
                                                100
                                                       20%
                                                             25 V
   C46
          CE04EW1E101M
                             CAP. ELECTRO
                                                100
                                                       20%
                                                             25 V
   C47
          C91 - 0571 - 05
                             CAP. CERAMIC
                                                0.01
                                                              2 K V
   C48
          C91-0571-05
                             CAP.
                                   CERAMIC
                                                0.01
                                                              2 K V
   C51
          CE04EW1E102M
                             CAP. ELECTRO
                                                1000
                                                       20%
                                                             25 V
```

```
X68 - 1480 - 01
                               NAME & DESCRIPTION
 REF. NO
          PARTS NO
                             "我们一点是东西"的一道家庭
  C 5 2
          NO USE
                            CAP. CERAMIC
                                              100P
                                                    10%
                                                           500V
  C53
         CK45FB2H101K
                            CAP. CERANIC
                                              4700P 10%
                                                           500 V
         CK45FB2H472K
  C54
                            CAP. ELECTRO
                                                     20%
                                                           50 V
         CE04HW1H010M
  C 5 7
                            CAP. ELECTRO
                                              1000
                                                     20%
                                                           25 V
         CE04EW1E102M
  C937
                            DIODE, BRIDGE
  D 1
         S4VB40F1
          NO USE
  D 2
         S1 V B 4 0
                            DIODE, BRIDGE
  D3
                                              23.72V
                            DIODE, ZENER
         MTZ24JC
  D 6
                            DIODE, ZENER
                                              9.95V
  D7
         MTZ10JC
                            DIODE, ZENER
                                              5.07V
  D8
         MTZ5.1JB
                            DIODE, ZENER
                                              9.95V
         MTZ10JC
  D9
                            DIODE, ZENER
                                              5.07V
  D 1 0
         MTZ5.1JB
                            DIODE
  D11
         188132
         1SS132
                            DIODE
  D12
                            DIODE
         18883
  D13
                            DIODE
  D14
         18883
         1SR35-200A
                            DIODE
  D15
         1 S R 3 5 - 2 0 0 A
                            DIODE
  D16
                            DIODE
  D17
         18883
                            DIODE
  D18
         18883
         1SR35-200A
                            DIODE
  D19
         1SR35-200A
                            DIODE
  D 2 0
                            DIODE
         1SS132
  D21
                            DIODE
         1SS132
  D 2 2
                            DIODE
         1SS132
  D23
         155132
                            DIODE
  D 26
                            DIODE
  D27
         188132
         18883
                            DIODE
  D28
                            DIODE
  D29
         1SS83
                            DIODE
   D901
         1SS132
                            FERRI INDUCTOR
                                               100UH
                                                       10%
  L1 ·
         L40-1011-13
                                                       10%
                            FERRI INDUCTOR
                                               100UH
  L 2
         L40-1011-13
                            FERRI INDUCTOR
                                               1 M H
                                                       10%
         L40-1021-03
   L3
                            FERRI INDUCTOR
                                               150MH
                                                        5 %
         L40-1545-06
   L901
                            NEON LAMP
   NL1
          NE-2B
                            NEON LAMP
   NL2
          NE-2B
                            NEON LAMP
   NL3
          NE-2B
          NE-2B
                            NEON LAMP
   NL4
                             PIN CONNECTOR
                                               6 P
   P 9
          E40-3241-05
                                               2 P
          E40-3237-05
                             PIN CONNECTOR
   P 26
                                               4 P
                             PIN CONNECTOR
          E40-3239-05
   P 2 7
                             PIN CONNECTOR
                                               6 P
          E40-3241-05
   P41
   P44
          E40-0503-05
                             PIN CONNECTOR
                                               5 P
          NO USE
   P 45
                                               2 P
                             PIN CONNECTOR
   P46
          E40-3237-05
```

```
X68 - 1480 - 01
 REF. NO
           PARTS NO
                                NAME & DESCRIPTION
  R33
         RD14BB2C471J
                             RES. CARBON
                                                470
                                                            1/6W
  R 34
         RD14BB2C220J
                             RES. CARBON
                                                22
                                                       5 %
                                                            1/6W
  R35
         RD14BB2C332J
                             RES. CARBON
                                                3.3K
                                                       5 %
                                                            1/6W
  R36
                             RES.
         RD14BB2C124J
                                  CARBON
                                                120K
                                                       5 %
                                                            1/6W
  R37
         RD14BB2C102J
                             RES. CARBON
                                                            1/6W
                                                1 K
                                                       5 %
  R38
         RD14BB2C683J
                             RES.
                                  CARBON
                                                68K
                                                       5 %
                                                            1/6W
  R39
         RD14BB2C114J
                             RES.
                                  CARBON
                                                       5 %
                                                110K
                                                            1/6W
  R40
         RD14BB2C912J
                             RES.
                                  CARBON
                                                9.1K
                                                       5 %
                                                            1/6W
  R41
         RD14BB2E470J
                             RES.
                                  CARBON
                                                47
                                                       5 %
                                                            1/4W
  R42
         RD14BB2C334J
                             RES.
                                  CARBON
                                                330 K
                                                       5 %
                                                            1/6W
                             RES.
  R43
         RD14BB2C823J
                                  CARBON
                                                82K
                                                       5 %
                                                            1/6W
  R44
         RD14BB2C332J
                             RES.
                                  CARBON
                                                            1/6W
                                                3.3K
                                                       5 %
  R 45
         RD14BB2C124J
                             RES. CARBON
                                                120 K
                                                       5 %
                                                            1/6W
                             RES. CARBON
  R46
         RD14BB2C751J
                                                       5 %
                                                750
                                                            1/6W
         RD14BB2C334J
  R47
                             RES. CARBON
                                                330 K
                                                       5 %
                                                            1/6W
  R48
         RD14BB2C683J
                            RES.
                                                       5 %
                                  CARBON
                                                68K
                                                            1/6W
  R49
         RD14BB2C152J
                             RES. CARBON
                                                1.5K
                                                       5 %
                                                            1/6W
  R 50
         RD14BB2C113J
                             RES. CARBON
                                                       5 %
                                                            1/6W
                                                11K
         RD14BB2E470J
                             RES.
                                                       5 %
  R 5 1
                                  CARBON
                                                47
                                                            1/4W
                                                            1/2W
  R 5 2
         R92-1034-05
                             RES.
                                  METAL FILM
                                               47 M
                                                       5 %
  R 53
         R92-1034-05
                             RES. METAL FILM
                                               47 M
                                                       5 %
                                                            1/2W
  R 5 4
         R92-1125-05
                             RES. METAL FILM
                                                7.5M
                                                       1 %
                                                              1 W
         R92-1125-05
  R 5 5
                             RES. METAL FILM
                                                7.5M
                                                       1 %
                                                              1 W
  R 56
         RN14BK2C1003F
                             RES. METAL FILM
                                                100K
                                                       1 %
                                                            1/6W
  R 5 7
         RD14BB2C104J
                             RES.
                                  CARBON
                                                       5 %
                                                100K
                                                            1/6W
  R 58
         RD14BB2C102J
                             RES.
                                  CARBON
                                                1 K
                                                       5 %
                                                            1/6W
         RD14BB2C562J
                             RES. CARBON
                                                5,6K
                                                       5%
  R 59
                                                            1/6W
                             RES. CARBON
         RD14BB2C821J
                                                820
                                                       5 %
                                                            1/6W
  R60
  R61
           NO USE
                             RES. METAL FILM 5.1M
                                                       5 %
  R62
         R92-1153-05
                                                              1 W
  R63
         R92-1193-05
                             RES. METAL FILM 8.2M
                                                       5 %
                                                              1 W
  R64
         RD14BB2C753J
                             RES. CARBON
                                                75 K
                                                       5 %
                                                            1/6W
  R65
         RD14BB2C473J
                             RES. CARBON
                                                            1/6W
                                                47 K
                                                       5 %
  R66
         RD14BB2C153J
                             RES. CARBON
                                                            1/6W
                                                15 K
                                                       5 %
  R 67
         RD14BB2C393J
                             RES. CARBON
                                                       5 %
                                                            1/6W
                                                39K
  R68
          RD14BB2C513J
                             RES.
                                  CARBON
                                                51 K
                                                       5 %
                                                            1/6W
  R69
         RD14BB2C433J
                             RES.
                                  CARBON
                                                43K
                                                       5 %
                                                            1/6W
  R70
          RD14BB2C132J
                             RES.
                                  CARBON
                                                1.3K
                                                       5 %
                                                            1/6W
  R71
          RD14BB2C182J
                             RES. CARBON
                                                1.8K
                                                       .5 %
                                                            1/6W
                                                            1/6W
  R72
         RD14BB2C271J
                             RES. CARBON
                                                2.70
                                                       5 %
  R73
         RD14BB2C102J
                             RES. CARBON
                                                       5 %
                                                            1/6W
                                                1 K
  R74
           NO USE
  R75
          RD14BB2C471J
                             RES. CARBON
                                                470
                                                       5 %
                                                            1/6W
  R76
          RD14BB2C301J
                             RES.
                                   CARBON
                                                300
                                                       5%
                                                            1/6W
                             RES. CARBON
  R77
          RD14BB2C362J
                                                3.6K
                                                       5 %
                                                            1/6W
  R80
          RD14BB2C100J
                             RES. CARBON
                                                       5 %
                                                            1/6W
                                                10
  R81
          RD14BB2C103J
                             RES. CARBON
                                                10 K
                                                       5 %
                                                            1/6W
  R82
          RD14BB2C222J
                             RES. CARBON
                                                       5 %
                                                            1/6W
                                                2.2K
                                                            1/6W
  R83
          RD14BB2C473J
                             RES. CARBON
                                                47 K
                                                       5 %
                             RES.
                                  CARBON
  R84
          RD14BB2C102J
                                                1 K
                                                       5 %
                                                            1/6W
  R85
          RD14BB2C102J
                             RES. CARBON
                                                1 K
                                                       5%
                                                            1/6W
                                                       5 %
  R86
          RD14BB2C104J
                             RES. CARBON
                                                100K
                                                            1/6W
                                                            1/6W
                                                       5 %
  R87
          RD14BB2C272J
                             RES. CARBON
                                                2.7K
  R901
          RD14BB2C223J
                             RES. CARBON
                                                22 K
                                                       5 %
                                                            1/6W
  U 1
          NJM4558D
                             IC, DUAL OP AMP
  U 2
          NJM4558D
                             IC, DUAL OP AMP
```

* * * PARTS LIST

X68-148	0 - 0 1					
REF. NO	PARTS NO		NAME	& D	ESCRI	PTION
U 3	NJM4558D	IC,	DUAL	0 P	AMP	
U 4	NJM4558D	IC,	DUAL	0 P	AMP	
V R 1	R12-1538-05		S. SEM			1 K B
V R 2 V R 3	R12-5526-05 NO USE	RES	S. SEM	l F	IXED	TOOKB
V R 4	R 1 2 - 8 0 0 1 - 0 5		S. SEM			
V R 5 V R 6	R12-4416-05 R12-1538-05		S. SEM S. SEM			50 K B

CONNECT	TON UNIT	*	* *	.		p ·	A	R	T S			ī.	ī	S	Т	
(X69-1220	0-00)					•		••					•	-	•	
`	PARTS NO				N A M	Ε	&	DΕ	SCR	ΙP	ΤI	O N				
	E38-0448-05		ū	IR	E A	SS	' у	; P	608	T	0	P 6	02			
	J73-0121-12		· F	CB	(U	NM	0 U	ΝT	ED)							
P 6 0 1	E38-0358-05		V	IR	E A	SS	' Y			2	0 P					
P602	E38-0359-05		W	IR	E A	SS	' Y			3	4 P					
P603	E40-3241-05		F	NI	C 0	N N	E C	T 0	R	6	P .					
P604	E40-3305-05		F	IN	C 0	NN	E C	T 0	R	8	P					
P605	E40-7214-05		F	IN	C 0	NN	E C	T 0	R	5	0 P					
P606	E40-7034-05		F	IN	C 0	N N	E C	T 0	R	4	0 P					
P607	E40-7214-05		F	IN	C 0	N N	EC	T 0	R	5	0 P					
P608	E40-7034-05		F	IN	C 0	N N	E C	T 0	R	4	0 P					*
P609	E40-7034-05	à.	F	IN	C 0	N N	E C	T 0	R	4	0 P					
P610	E40-7214-05		P	NI	C 0	N N	E C	T 0	R	5	0 P					
P611	E40-3307-05		F	IN	€0	ŊΝ	E C	T 0	R	1	0 P					
P612	E40-7213-05		F	NI	C 0	N N	E C	T 0	R	2	6 P					
P613	E40-3239-05	1.5	F	IN	C 0	N N	E C	T 0	R	4	P					
P614	E40-3239-05		F	IN	C 0	N N	E C	T 0	R	4	P					

	E AMP 73-1930	UNIT * *	*	P	A R T	s L	S T	*	*
Λ,	REF. NO	PARTS NO J73-0116-02		UN	OUNTED	RIPTION))			
		212-2014-05 CK45FF1H103Z	CAP.	CER	AMIC	0.01		5 0 V	
	C 1 0	CC45FCH1H680J	CAP.	CER	AMIC	6 8 P	5 %	5 0 V	
	C 1 6	CC45FSL1H681J	CAP.	CER	AMIC	680P	5 %	5 0 V	
	C 3 4	C C 4 5 F C H 1 H 0 7 0 D	CAP.	CER	AMIC .	7 P	0.5P	5 0 V	
	C 4 2	CC45FCH1H221J	CAP.	CER	AMIC	220P	5 %	5 0 V	
	C 5 0	C C 4 5 F C H 1 H 0 2 0 C	CAP.	CER	AMIC	2 P	0.25P	5 0 V	.4 &
		CC45FSL1H331J CC45FCH1H070D				330P 7P	5% 0.5P	5 0 V 5 0 V	
	C 1 0 8	CC45FCH1H180J	CAP.	CER	RAMIC	18P	5 %	5 0 V	
	C125	CC45FCH1H470J	CAP.	CER	RAMIC	47 P	5 %	5 0 V	
	C 1 3 7	CC45FCH1H120J	CAP.	CEF	RAMIC	1 2 P	5 %	5 0 V	
	C 1 4 5	CK45FF1H103Z	CAP.	CEF	RAMIC	0.01		5 0 V	
	C167	CQ92FM1H104K CQ92FM1H104K CK45FF1H103Z	CAP.	MYI	_ A R	0.1 0.1 0.01	10%		
		CK45FF1H103Z				0.01		5 0 V	
		CC45FCH1H680J				68P	5 %	5 0 V	
		CC45FSL1H681J						5 0 V	
	C 2 3 4	CC45FCH1H070D			RAMIC	7 P	0.5P	5 0 V	
	C 2 4 2	CC45FCH1H221J	CAP.	CE	RAMIC	2 2 0 P	5 %	5 0 V	
	C 2 7 9	CC45FSL1H331J	CAP.	CE	RAMIC	330P	5 %	5 0 V	
	C 2 9 3	CE04EW1C330M	CAP.	EL	ECTRO	33	20%	16 V	
	C 3 0 1	CQ92FM1H104K	CAP.	M Y	LAR	0.1	10%	5 0 V	
	C308	CC45FCH1H180J	CAP.	CE	RAMIC	18P	5 %	5 0 V	
	C325	CC45FCH1H470J	CAP.	C E	RAMIC	47 P	5 %	5 0 V	
	C328	CE04EW1E220M	CAP.	EL	ECTRO	22	20%	25 V	
	C 3 4 0	CC45FCH1H150J	CAP.	CE	RAMIC	15P	5 %	5 0 V	
	C 3 4 5	CK45FF1H103Z	CAP.	CE	RAMIC	0.01		5 0 V	
	C366 C367 C368	CQ92FM1H104K CQ92FM1H104K CK45FF1H103Z	CAP. CAP. CAP.	MY	LAR LAR RAMIC	$ \begin{array}{c} 0.1 \\ 0.1 \\ 0.01 \end{array} $	10% 10%	5 0 V 5 0 V 5 0 V	

		. 1	,		_										*	*	k	K					P	Å	ì	R	,	T	S				L		I	;	S	T				
	REI	F.	93 NO 2		P	A	R 5	T F	S F] 1]	N () 1 () 3	s Z			(C A	, P	N.	A	M :	E E F	8 A S	i M	D I	E : C	S (C R	I	P 0	T	I 0	N					5	0	V	
	c:	3 7	7	С	G	4	5	F	C I	H :	1 I	11	0	1	J		C	A	P			C:	E F	R A	M	I	C				1	0 () P	٠.	1	5 ;	6		5	0	.V	
	C 4 C 4 C 4	4 0 4 0 4 0 4 0	1 2 3 4 5 6	CCC	K K K E	4 4 0	5 5 5 4	F F F	F: F: W:	1 I 1 I 1 I	H 1 H 1 H 1	i (3 3 3 3 2 1	Z Z Z				A A A	P P P	•		C C C E	E F E F	R A R A R A E C	M	I I I R	C C C				0 . 0 . 0 . 2 :	. (0 1 0 1 0 1		7 *	2 (O %	ŧ	5 5 5 1	0	V V V	
	C 4	1 1	1	С	K	4	5	F I	F:	1 I	H 1	0	3	Z			C	A	P			C I	E R	? A	M	I	С				0.	. () 1						5	0	V	
			3																							S R) 1) %) %			3	0 V V	
	C 4	12	7	С	С	4	5 i	F	CI	H]	l F	12	2	0	J		C	A	P	•	1	C I	E R	A	M	1	С				2 :	2 I	ο.		. {	5 %	/ 0		5	0	V	
	C 4	13	0.	С	K	4 !	5 1	F	F I	1 I	11	. 0	3	Z			C	A	P		1	C I	ΞR	Á	M	I	С				0.	. () 1						5	0	V	
		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	4 5		EEQQQQQEEEQQQQQQQQ	0 0 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	4 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	EFFFFFFEEFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	E WE			3333 3333 3333 3333 3333 3333 3333 3333 3333	004444444444444444444444444444444444444	MKKKKKKKMMMKKKKKKK				AAAAAAAAAAAAAAAA	PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP				L E E L L L L L L L L L L L L L L L L L		TTRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR	R R R	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				330000000000000000000000000000000000000	3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							1 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	$\begin{matrix} 6 & 0 & 0 & 0 & 0 & 0 & 0 & 6 & 6 & 6 &$	V V V V V V V V V V V V V V V V V V V	
	Ce	3 0	1 2 3		N	0	1	U :	S I	Е																I	C						0 (1 () % ;			0		
	C 6 C 6 C 6	5 1 5 1 5 1 5 1	2 3 4 5 6	CCC	K K N C	4 0 4 1	5 l 5 l 5 l	F F F F	F 1 S 1 C 1	1 I 1 I E H J	H 1 H 1 5 -	I 0	3 5 5	Z Ż				A	P P P		. 4	C I C I C I	E R E R E R	A	M M M	I I I	C C C				0. 0.	5 () 1) 1) P	8	0 ,	5 % / -	6 - 1		5 5 5	5	V V V O V	
	Ce			С															?							I												0 9			0 V	
	CE	3 2	3 4 5		N !	0	Į	U S	S E	Ξ																I () P			5 %				0 '		

```
P A R T S
                                                LIST
X73-1930-00
 REF. NO
          PARTS NO
                              NAME & DESCRIPTION
  C630
         CC45FCH1H330J
                           CAP. CERAMIC
                                             33P
                                                    5 %
                                                          50 V
  C650
         CC45FCH1H330J
                           CAP. CERAMIC
                                             33P
                                                    5 %
                                                          50 V
  C672
         CC45FCH1H101J
                           CAP. CERAMIC
                                                    5%
                                             100P
                                                          50 V
  C701
         CC45CH1H020C
                           CAP. CERANIC
                                             2 P
                                                   0.25P 50V
  D37
         1SS132
                           DIODE
  D80
         MA700
                           DIODE
  D81
         MA700
                           DIODE
         MA700
  D82
                           DIODE
  D83
         MA700
                           DIODE
  D102
         188132
                           DIODE
  D154
         155132
                           DIODE
         155132
  D237
                           DIODE
                           DIODE, ZENER
  D292
         MTZ6.2JB
                                             6.1V
  D293
         MA700
                           DIODE
  D294
         MA700
                           DIODE
  D354
         188132
                           DIODE
  D385
         155132
                           DIODE
                                             6.1 V
  D424
         MTZ6.2JB
                           DIODE, ZENER
  JW2
                           WIRE ASS'Y
         E38-0333-15
                           WIRE ASS'Y
  JW102 E38-0333-15
  P140
         E40-3238-05
                           PIN CONNECTOR
                                             3 P
  P202
         E40-3238-05
                           PIN CONNECTOR
                                             3 P
  P 2 2 0
         E40-3238-05
                           PIN CONNECTOR
                                             3 P
  P301
         E40-3238-05
                           PIN CONNECTOR
                                             3 P
  P401
         E40-3237-05
                           PIN CONNECTOR
                                             2 P
  P402
          NO USE
  P403
         E40-3243-05
                           PIN CONNECTOR
                                             8 P
  P404
         E40-7215-05
                           PIN CONNECTOR
                                              20 P
  Q 1
         2 S C 4 0 7 2
                           TR. SI, NPN
  Q 2
         2SC3381(GR)
                           TR. SI, NPN
  Q6
         3SK121(GR)
                           FET, N-CHANNEL, DUAL GATE
  Q7
         2SA1005(K)
                           TR. SI, PNP
  Q8
         2SA1005(K)
                           TR. SI, PNP
  Q 9
         2SC2671(H)
                           TR. SI, NPN
  Q10
         2SC2671(H)
                           TR. SI, NPN
                           TR. SI, NPN
  Q11
         2SC3354(S)
  Q12
         2SA1206(K)
                           TR. SI, PNP
  Q13
         2SA1206(K)
                           TR. SI, PNP
```

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X73 - 1930 - 00
 REF. NO
          PARTS NO
                               NAME & DESCRIPTION
  Q14
         2SA1206(K)
                           TR. SI, PNP
                           TR. SI, PNP
TR. SI, NPN
  Q15
         2SA1206(K)
  Q16
         2SC3779(D)
                           TR. SI, NPN
  Q17
         2SC3779(D)
  Q18
         2SC2785(F)
                           TR. SI, NPN
  Q19
         2SC2785(F)
                           TR. SI, NPN
  Q20
         2SC3354(S)
                           TR. SI, NPN
  Q 2 1
         2SC3354(S)
                           TR. SI, NPN
  Q22
         2SC3354(S)
                           TR. SI, NPN
                           TR. SI, NPN
  Q23
         2SC3354(S)
         2SA1206(K)
  Q24
                           TR. SI, PNP
         2SA1206(K)
  Q 2 5
                           TR. SI, PNP
                           TR. SI, PNP
  Q 26
         2SA1005(K)
                           TR. SI, NPN
  Q27
         2SC3354(S)
                           TR. SI, NPN
  Q28
         2SC3354(S)
  Q29
          NO USE
  Q30
         2SA1005(K)
                           TR. SI, PNP
  Q31
         2SA1005(K)
                           TR. SI, PNP
  Q121
         2SC3354(S)
                           TR. SI, NPN
  Q122
         2SC3354(S)
                           TR. SI, NPN
  Q143
         2SC3354(S)
                           TR. SI, NPN
  Q144
         2SC3354(S)
                           TR. SI, NPN
                           TR. SI, NPN
  Q145
         2SC3354(S)
  Q151
         2SC3354(S)
                           TR. SI, NPN
  Q152
         2SC2910(S)
                           TR. SI, NPN
                           TR. SI, PNP
  Q153
         2SA1175(F)
                           TR. SI, NPN
  Q201
         2SC4072
         2SC3381(GR)
                           TR. SI, NPN
  Q202
  Q206
         3SK121 (GR)
                           FET, N-CHANNEL, DUAL GATE
  Q207
         2SA1005(K)
                           TR. SI, PNP
  Q208
         2SA1005(K)
                           TR. SI, PNP
  Q209
         2SC2671(H)
                           TR. SI, NPN
         2SC2671(H)
                           TR. SI, NPN
  Q210
                           TR. SI, NPN
TR. SI, PNP
TR. SI, PNP
  Q211
         2SC3354(S)
  Q212
         2SA1206(K)
  Q213
         2SA1206(K)
                           TR. SI, PNP
  Q214
         2SA1206(K)
                           TR. SI, PNP
  Q215
         2SA1206(K)
  Q216
         2SC3779(D)
                           TR. SI, NPN
                           TR. SI, NPN
  Q217
         2SC3779(D)
  Q218
         2SC3354(S)
                           TR. SI, NPN
  Q219
         2SC3354(S)
                           TR. SI, NPN
  Q220
         2SC2785(F)
                           TR. SI, NPN
  Q 2 2 1
         2SC2785(F)
                           TR. SI, NPN
                           TR. SI, NPN
  Q222
         2SC3354(S)
  Q223
         2SC3354(S)
                           TR. SI, NPN
  Q224
         2SA1005(K)
                           TR. SI, PNP
         2SA1005(K)
                           TR. SI, PNP
  Q230
  Q231
         2SA1005(K)
                           TR. SI, PNP
                           TR. SI, PNP
  Q232
         2SA1206(K)
                           TR. SI, PNP
  Q233
         2SA1206(K)
  Q321
         2SC3354(S)
                           TR. SI, NPN
```

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PARTS
                                                 LIS
X73-1930-00
 REF. NO
          PARTS NO
                               NAME & DESCRIPTION
  Q322
         2SC3354(S)
                           TR. SI, NPN
  Q343
         2SC3354(S)
                           TR. SI. NPN
  Q344
        2SC3354(S)
                           TR. SI, NPN
  Q345
        2SC3354(S)
                           TR. SI, NPN
                           TR. SI, NPN
  Q351
         2SC3354(S)
         2SC2910(S)
                           TR. SI, NPN
  Q352
  Q353
         2SA1175(F)
                           TR. SI, PNP
                           TR. SI, NPN
  Q371
         2SC3354(S)
  Q372
         2SC3354(S)
                           TR. SI, NPN
  Q381
         2SC2785(F)
                           TR. SI, NPN
                           TR. SI, NPN
  Q382
         2SC2785(F)
  Q383
         2SA1175(F)
                           TR. SI, PNP
  Q401
         2SC2785(F)
                           TR. SI, NPN
  Q402
         2SC2785(F)
                           TR. SI, NPN
  Q403
        2SC2785(F)
                           TR. SI, NPN
  Q404
         2SC2785(F)
                           TR. SI, NPN
  Q405
         2SC3354(S)
                           TR. SI, NPN
                           TR. SI, NPN
  Q406
         2SC3354(S)
  Q407
         2SC3354(S)
                           TR. SI, NPN
  Q408
         2SC3354(S)
                           TR.
                               SI, NPN
  Q420
         2SC3354(S)
                           TR. SI, NPN
  Q421
                           FET, N-CHANNEL
         2SK404(F)
                           TR. SI, NPN
  Q422
         2SC3354(S)
  Q630
                           TR. SI. NPN
         2SC3315(C)
  Q650
         2SC3315(C)
                           TR. SI, NPN
  R 2
         RD14BB2C220J
                           RES. CARBON
                                              22
                                                    5 %
                                                         1/6W
  R3
         RD14BB2C221J
                           RES. CARBON
                                              220
                                                    5 %
                                                         1/6W
  R4
         RD14BB2C433J
                           RES. CARBON
                                              43K
                                                    5 %
                                                         1/6W
  R 5
         RD14BB2C131J
                           RES. CARBON
                                              130
                                                    5 %
                                                         1/6W
  R 6
         RD14BB2C470J
                           RES. CARBON
                                              47
                                                    5 %
                                                         1/6W
  R 7
         RN14BK2C1001F
                           RES. METAL FILM 1K
                                                    1 %
                                                         1/6W
  R 8
         RN14BK2C1001F
                           RES. METAL FILM 1K
                                                    1 %
                                                         1/6W
  R 9
         RN14BK2C2700F
                           RES. METAL FILM 270
                                                    1 %
                                                         1/6W
  R 10
         RD14BB2C203J
                           RES. CARBON
                                                    5%
                                                         1/6W
                                              20 K
  R 1 1
         RD14BB2C361J
                           RES. CARBON
                                              360
                                                    5 %
                                                         1/6W
  R12
                           RES. METAL FILM 220
         RN14BK2C2200F
                                                    1 %
                                                         1/6W
  R 13
                           RES. METAL FILM 220
         RN14BK2C2200F
                                                    1%
                                                         1/6W
  R 14
         RD14BB2C470J
                           RES. CARBON
                                                         1/6W
                                              47
                                                    5 %
  R 15
         RD14BB2C560J
                           RES. CARBON
                                              56
                                                    5 %
                                                         1/6W
  R16
         RD14BB2C332J
                           RES. CARBON
                                                         1/6W
                                              3.3K
                                                    5 %
  R17
         RD14BB2C391J
                           RES. CARBON
                                              390
                                                    5 %
                                                         1/6W
  R18
          NO USE
  R19
         RD14BB2C112J
                           RES. CARBON
                                              1.1 K
                                                    5 %
                                                         1/6W
  R 2 2
         RN14BK2C2401F
                           RES. METAL FILM 2.4K
                                                    1 %
                                                         1/6W
  R 23
         RN14BK2C2401F
                           RES. METAL FILM 2.4K
                                                         1/6W
                                                    1 %
  R 26
         RN14BK2C2001F
                           RES. METAL FILM
                                             2 K
                                                    1 %
                                                         1/6W
  R 27
         RN14BK2C2001F
                           RES.
                                 METAL FILM
                                             2 K
                                                    1 %
                                                         1/6W
  R 28
         RN14BK2C2401F
                           RES. METAL FILM 2.4K
                                                    1%
                                                         1/6W
```

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X73 - 1930 - 00
                               NAME & DESCRIPTION
 REF. NO
          PARTS NO
  R 29
         RN14BK2C2401F
                            RES. METAL FILM 2.4K
                                                      1 %
                                                          1/6W
                            RES.
                                  CARBON
                                               220
                                                      5 %
                                                           1/6W
  R30
         RD14BB2C221J
                                               220
                                                      5 %
                                                           1/6W
  R31
         RD14BB2C221J
                            RES. CARBON
  R32
         RD14BB2C392J
                            RES. CARBON
                                               3.9K
                                                      5 %
                                                           1/6W
                            RES. CARBON
  R33
         RD14BB2C392J
                                               3.9K
                                                      5 %
                                                           1/6W
                            RES. CARBON
                                               200
                                                      5 %
                                                           1/6W
  R34
         RD14BB2C201J
                            RES. CARBON
         RD14BB2C821J
                                               820
                                                      5 %
                                                           1/6W
  R35
                            RES. METAL FILM 4.7K
                                                      1 %
  R36
         RN14BK2C4701F
                                                           1/6W
         RN14BK2C2201F
                            RES. METAL FILM 2.2K
                                                      1 %
                                                          1/6W
  R37
         RN14BK2C2700F
                            RES. METAL FILM 270
                                                      1 %
                                                           1/6W
  R38
         RN14BK2C1201F
                            RES. METAL FILM 1.2K
                                                      1 %
                                                           1/6W
  R39
                                                          1/6W
         RN14BK2C1201F
                            RES. METAL FILM 1.2K
                                                      1 %
  R 4 0
                            RES. CARBON
                                                           1/6W
                                               150
                                                      5 %
         RD14BB2C151J
  R41
                            RES. CARBON
  R42
         RD14BB2C333J
                                               33 K
                                                      5 %
                                                           1/6W
                            RES. METAL FILM
                                                      1 %
  R43
         RN14BK2C3300F
                                               330
                                                           1/6W
                            RES. METAL FILM
         RN14BK2C3300F
                                               330
                                                      1 %
  R44
                                                           1/6W
                            RES. CARBON
                                                      5 %
  R 45
         RD14BB2C220J
                                               22
                                                           1/6W
  R 46
         RD14BB2C220J
                            RES. CARBON
                                               22
                                                      5 %
                                                           1/6W
  R47
         RN14BK2C5101F
                            RES. METAL FILM 5.1K
                                                      1 %
                                                           1/6W
                            RES. METAL FILM 6.8K
                                                      1 %
         RN14BK2C6801F
                                                           1/6W
  R48
         RD14BB2C470J
                            RES. CARBON
                                               47
                                                      5 %
                                                           1/6W
  R49
                            RES. CARBON
                                               47
                                                      5 %
                                                           1/6W
  R 5 0
         RD14BB2C470J
  R 5 1
         RD14BB2C561J
                            RES. CARBON
                                               560
                                                      5 %
                                                           1/6W
                                                      5 %
                                                           1/6%
  R54
         RD14BB2C122J
                            RES. CARBON
                                               1.2K
                            RES. CARBON
                                                      5 %
  R 5 5
         RD14BB2C471J
                                               470
                                                           1/6W
                            RES. CARBON
                                               1 K
                                                      5 %
                                                           1/6W
  R56
         RD14BB2C102J
                                               10 K
                                                      5 %
  R57
         RD14BB2C103J
                            RES. CARBON
                                                           1/6W
                            RES. METAL FILM 680
                                                      1 %
                                                           1/6W
         RN14BK2C6800F
  R61
                            RES. METAL FILM 680
                                                      1 %
                                                           1/6W
  R62
         RN14BK2C6800F
         RN14BK2C1001F
                            RES. METAL FILM 1K
                                                      1 %
                                                           1/6W
  R63
                                                      1 %
                                                           1/6W
  R 6.4
         RN14BK2C1001F
                            RES. METAL FILM 1K
         RD14BB2C222J
                            RES. CARBON
                                               2.2K
                                                      5 %
                                                           1/6W
  R65
                            RES. CARBON
                                               2.2K
                                                      5%
                                                           1/6W
         RD14BB2C222J
  R66
                            RES. CARBON
                                               22
                                                      5 %
                                                           1/6W
  R67
         RD14BB2C220J
                                                      5 %
         RD14BB2C220J
                            RES. CARBON
                                               22
                                                           1/6W
  R68
                            RES. CARBON
                                                      5 %
  R69
         RD14BB2C101J
                                               100
                                                           1/6W
                            RES. CARBON
                                               100
                                                      5 %
                                                           1/6W
  R70
         RD14BB2C101J
                                                           1/6W
                            RES. CARBON
  R 7 1
         RD14BB2C220J
                                               22
                                                      5 %
  R72
         RD14BB2C220J
                            RES. CARBON
                                               22
                                                      5 %
                                                           1/6W
  R73
           NO USE
  R74
                                                           1/6W
         RD14BB2C331J
                            RES. CARBON
                                               330
                                                      5 %
                            RES. CARBON
                                               330
                                                      5 %
                                                           1/6W
  R75
         RD14BB2C331J
          NO USE
  R 76
                                                      5 %
                                                           1/6W
  R77
         RD14BB2C272J
                            RES. CARBON
                                               2.7K
  R78
         RD14BB2C184J
                            RES. CARBON
                                               180K
                                                      5 %
                                                           1/6W
  R 7 9
         RD14BB2C431J
                            RES. CARBON
                                               430
                                                      5 %
                                                           1/6W
                            RES. CARBON
                                               22
                                                      5 %
                                                           1/6W
  R80
         RD14BB2C220J
                                                      5 %
                            RES. CARBON
                                               22
                                                           1/6W
  R81
         RD14BB2C220J
                            RES. CARBON
                                               1 K
                                                      5 %
                                                           1/6W
  R82
          RD14BB2C102J
                                               47
                                                      5 %
         RD14BB2C470J
                            RES. CARBON
                                                           1/6W
  R83
                            RES. CARBON
                                               47
                                                      5 %
                                                           1/6W
         RD14BB2C470J
  R84
                                                      5 %
         RD14BB2C752J
                            RES. CARBON
                                               7.5K
                                                           1/6W
  R85
                            RES. CARBON
                                               2.7K
                                                      5 %
                                                          1/6W
         RD14BB2C272J
  R86
   R87
         RN14BK2C1201F
                            RES. METAL FILM
                                              1.2K
                                                      1 %
                                                           1/6W
  R88
         RN14BK2C1201F
                            RES. METAL FILM 1.2K
                                                      1 %
                                                           1/6W
                            RES. CARBON
                                               22
                                                      5 %
                                                           1/6W
   R89
         RD14BB2C220J
                            RES. CARBON
                                               22
                                                      5%
                                                           1/6W
         RD14BB2C220J
   R-90
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X73-1930-00			
REF. NO PARTS NO	NAME & DESCRI	PTION	
R91 RD14BB2C101J		100 5% 1/6W	
R92 RD14BB2C101J R93 RD14BB2C101J	RES. CARBON RES. CARBON	100 5% 1/6W	
	RES. CARBON		
	RES. CARBON		
R96 RD14BB2C272J		2.7K 5% 1/6W	
R97 NO USE		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
·		390 5% 1/6W	
		180 1% 1/6W 180 1% 1/6W	
R100 RN14BK2C1800F R101 RN14BK2C1500F		150 1% 1/6W	
R102 RN14BK2C1201F	RES. METAL FILM		
	RES. METAL FILM	5.1K 1% 1/6W	
R104 RN14BK2C1800F	RES. METAL FILM	180 1% 1/6W	
R105 NO USE R106 RD14BB2C183J	RES. CARBON	18K 5% 1/6W	
		5.6K 5% 1/6W	
R108 RD14BB2C512J		5.1K 5% 1/6W	
	·		
		100 5% 1/6W	
	RES CARRON	100 5% 1/6W 1.2K 5% 1/6W	
	RES. CARBON	1.2K 5% 1/6W	
R125 RD14BB2C201J	RES. CARBON	200 5% 1/6W	
	DEC CARRON	1.5K 5% 1/6W	
	RES. CARBON RES. CARBON	1.5K 5% 1/6W 47 5% 1/6W	
		47 5% 1/6W	
	RES. METAL FILM		
R134 RN14BK2C1301F	RES. METAL FILM	1.3K 1% 1/6W	
R135 NO USE R136 RD14BB2C431J	RES. CARBON	430 5% 1/6W	
R137 RD14BB2C151J	RES. CARBON		
R141 RN14BK2C1301F	RES. METAL FILM	1.3K 1% 1/6W	
R142 NO USE R143 RN14BK2C1201F	RES. METAL FILM	1.2K 1% 1/6W	
RI45 RRI4DRZ01ZVII	RES. HEIRE FIEM	1. Lx 1,0 1,0 W	
R147 RD14BB2C331J	RES. CARBON	330 5% 1/6W	
R148 RD14BB2C102J	RES. CARBON	1K 5% 1/6W	
R149 RD14BB2C470J R150 NO USE	RES. CARBON	47 5% 1/6W	
R151 RD14BB2C472J	RES. CARBON	4.7K 5% 1/6W	
R152 RD14BB2C332J	RES. CARBON	3.3K 5% 1/6W	
R153 RD14BB2C621J	RES. CARBON	620 5% 1/6W	
R154 RD14BB2C821J R155 RD14BB2C332J	RES. CARBON RES. CARBON	820 5% 1/6W	
R156 RD14BB2C432J	RES. CARBON	3.3K 5% 1/6W 4.3K 5% 1/6W	
R157 NO USE			
R158 RD14BB2C102J	RES. CARBON	1K 5% 1/6W	
R159 FN14BK2C2002F R160 RD14BB2C472J	RES. METAL FILM		
R160 RD14BB2C472J R161 RN14BK2C9101F	RES. CARBON RES. METAL FILM	4.7K 5% 1/6W 9.1K 1% 1/6W	
R162 RN14BK2C1603F	RES. METAL FILM		
R163 RN14BK2C5601F	RES. METAL FILM	5.6K 1% 1/6W	
R164 RD14BB2C562J	RES. CARBON	5.6K 5% 1/6W	
R165 RD14BB2C471J R166 RD14BB2C362J	RES. CARBON RES. CARBON	470 5% 1/6W 3.6K 5% 1/6W	
R167 RD14BB2C513J	RES. CARBON	5.0 K = 5% = 1/6 W	
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REF. NO PARTS NO	NAME & DES	CRIPTION
R259 RD14BB2C471J		470 5% 1/6W
R260 RD14BB2C102J	RES. CARBON	1K 5% 1/6W
R261 RD14BB2C103J	RES. CARBON	10K 5% 1/6W
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R262 RN14BK2C6800F		LM 680 1% 1/6W
R263 RN14BK2C6800F	RES. METAL FI	
R264 RN14BK2C1001F	RES. METAL FI	
R265 RN14BK2C1001F	RES. METAL FI	
R266 RD14BB2C222J	RES. CARBON	2.2K 5% 1/6W
R267 RD14BB2C222J	RES. CARBON	2.2K 5% 1/6W
R268 RD14BB2C220J	RES. CARBON	22 5% 1/6W
R269 RD14BB2C220J	RES. CARBON	22 5% 1/6W
R270 RD14BB2C101J	RES. CARBON	100 5% 1/6W
R271 RD14BB2C101J	RES. CARBON	100 5% 1/6W
R272 RD14BB2C220J	RES. CARBON	22 5% 1/6W
R273 RD14BB2C220J	RES. CARBON	22 5% 1/6W
R274 RD14BB2C751J	RES. CARBON	750 5% 1/6W
R275 RD14BB2C331J	RES. CARBON	330 5% 1/6W
R276 RD14BB2C331J	RES. CARBON	330 5% 1/6W
R 2 7 7 R D 1 4 B B 2 C 2 7 2 J	RES. CARBON	2.7K 5% 1/6W
R278 RD14BB2C682J	RES. CARBON	6.8K 5% 1/6W
R279 RD14BB2C184J	RES. CARBON	180K 5% 1/6W
R280 RD14BB2C431J	RES. CARBON	430 5% 1/6W
R 2 8 1 R D 1 4 B B 2 C 2 2 0 J	RES. CARBON	22 5% 1/6W
R 2 8 2 R D 1 4 B B 2 C 2 2 0 J	RES. CARBON	22 5% 1/6W
R 2 8 3 R D 1 4 B B 2 C 1 0 2 J	RES. CARBON	1K 5% 1/6W
R 2 8 4 R D 1 4 B B 2 C 1 8 3 J	RES. CARBON	18K 5% 1/6W
R 2 8 5 R D 1 4 B B 2 C 5 6 2 J	RES. CARBON	5.6K 5% 1/6W
R286 RD14BB2C470J	RES. CARBON	47 5% 1/6W
R 2 8 7 R D 1 4 B B 2 C 4 7 0 J	RES. CARBON	47 5% 1/6W
R288 RD14BB2C752J	RES. CARBON	
R 2 8 9 R D 1 4 B B 2 C 2 7 2 J	RES. CARBON	2.7K 5% 1/6W
R290 RN14BK2C1201F	RES. METAL FI	
R291 RN14BK2C1201F	RES. METAL FI	
R 2 9 2 R D 1 4 B B 2 C 4 7 2 J	RES. CARBON	4.7K 5% 1/6W
R293 RD14BB2C182J	RES. CARBON	1.8K 5% 1/6W
R308 RD14BB2C512J	RES. CARBON	5.1K 5% 1/6W
R321 RD14BB2C101J	RES. CARBON	
R322 RD14BB2C101J		
R323 RD14BB2C202J		100 5% 1/6W
R324 RD14BB2C202J	RES. CARBON	2K 5% 1/6W
R325 RD14BB2C202J	RES. CARBON RES. CARBON	2K 5% 1/6W
R326 RD14BB2C302J		10K 5% 1/6W
R327 RD14BB2C3023	and the second s	3K 5% 1/6W
R328 RD14BB2C332J	RES. CARBON RES. CARBON	180 5% 1/6W 3.3K 5% 1/6W
R329 RD14BB2C333J	RES. CARBON	3.3K 5% 1/6W 33K 5% 1/6W
R330 NO USE	RES. CARBON	33V 3% 1/6M
R331 RD14BB2C470J	RES. CARBON	47. 5% 1/6W
R332 RD14BB2C470J	RES. CARBON	
R333 RD14BB2C151J	RES. CARBON	
	ALD. CARDUN	150 5% 1/6W
R338 RN14BK2C1501F	RES. METAL FI	LM 1.5K 1% 1/6W
R339 RN14BK2C1301F	RES. METAL FI	
R340 RD14BB2C470J	RES. CARBON	47 5% 1/6W
R341 RD14BB2C431J	RES. CARBON	430 5% 1/6W
R342 RD14BB2C750J	RES. CARBON	75 5% 1/6W
R343 NO USE		
R344 RD14BB2C152J	RES. CARBON	1.5K 5% 1/6W

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NAME & DESCRIPTION

5 % RD14BB2C102J RES. CARBON 1 K 1/6W 5 % RD14BB2C102J RES. CARBON 1 K 1/6W RN14BK2C91R0F RES. METAL FILM 91.0 1 % 1/6W RN14BK2C91R0F RES. METAL FILM 91.0 1/6W RN14BK2C4700F RES. METAL FILM 470 1 % 1/6W 1/6W RES. METAL FILM 470 RN14BK2C4700F 1% CARBON 1/6W RD14BB2C822J RES. 5 % 8.2K METAL FILM 3.6K 1 % 1/6W RN14BK2C3601F RES. RN14BK2C3901F RES. METAL FILM 3.9K 1 % 1/6W RN14BK2C91R0F RES. METAL FILM 91.0 1 % 1/6W RN14BK2C91R0F RES. METAL FILM 91.0 1 % 1/6W RN14BK2C4700F RES. METAL FILM 470 1 % 1/6W RN14BK2C4700F 1 % 1/6W RES. METAL FILM 470 RD14BB2C822J RES. 1/6W CARBON 8.2K 5 % RN14BK2C3601F RES. 1 % 1/6W METAL FILM 3.6K RN14BK2C3901F RES. METAL FILM 3.9K 1 % 1/6W R520 RD14BB2C181J RES. CARBON 180 5 % 1/6W R601 RD14BB2C201J RES. CARBON 5 % 200 1/6W R602 RD14BB2C201J RES. CARBON 200 5 % 1/6W R607 RD14BB2C242J RES. CARBON 2.4K 5 % 1/6W R608 RD14BB2C132J RES. CARBON 1.3K 5 % 1/6W R621 RD14BB2C201J 5 % RES. CARBON 200 1/6W R622 RD14BB2C201J RES. CARBON 200 5 % 1/6W R630 RD14BB2C472J RES. CARBON 4.7K 5 % 1/6W R650 RD14BB2C472J RES. CARBON 1/6W 4.7K 5 % R701 RD14BB2C104J RES. CARBON 100K 5 % 1/6W R702 RD14BB2C104J RES. CARBON 5 % 100K 1/6WR703 RD14BB2C105J RES. CARBON 1 M 5 % 1/6W R704 RD14BB2C105J RES. CARBON 1 M 5 % 1/6W TC2 C05 - 0446 - 05CAP. TRIMMER 30 P TC3 C05 - 0444 - 05CAP. TRIMMER 10P TC97 C05 - 0448 - 05CAP. TRIMMER 70P TC202 C05-0446-05 CAP. TRIMMER 30P TC203 C05-0444-05 CAP. TRIMMER 1.0 P TC280 C05-0443-05 CAP. TRIMMER 6 P TH1 SDT-20THERMISTOR TH201 SDT-20 THERMISTOR TH301 SDT-1000 THERMISTOR U102 NJM4558D IC, DUAL OP AMP

IC, DUAL OP AMP

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V R 5	R 1 2 - 0 5 7 6 - 0 5			RE	S.	SE	M		FΙ	X	ΕD	2	0 0) [В				
VR97	R12-0576-05			RE	S.	SE	M		FΙ	X	E D	2	0 0) [В				
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VR142	R12-0577-05			RΕ	S.	SE	M		FΙ	X	E D	5	0 0) [В				
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C303 CC45CN1H270J CAP. CERAMIC 27P 5% 50V C313 CQ92M1H102K CAP. MYLAR 1000P 10% 50V C317 CC45SL1H121J CAP. CERAMIC 120P 5% 50V C328 CC45SL1H101J CAP. CERAMIC 100P 5% 50V C401 CC45FCH1H221J CAP. CERAMIC 220P 5% 50V C402 CQ92M1H102K CAP. MYLAR 1000P 10% 50V D1 1SS132 D10DE D2 1SS132 D10DE D3 1SS132 D10DE D4 1SS132 D10DE D5 1SS132 D10DE D6 1SS132 D10DE D7 1SS132 D10DE D8 1SS132 D10DE D9 1SS132 D10DE D1 1 NO USE D10 1SS132 D10DE D11 NO USE D12 MA700 D10DE D13 MA700 D10DE D14 MTZ4.7JC D10DE D10 MA700 D10DE D10 MA700 D10DE D10 MA700 D10DE D110 MA700 D10DE D110 MA700 D10DE D111 MA700 D10DE D110 MA700 D10DE D110 MA700 D10DE D111 MA700 D10DE D111 MA700 D10DE D112 MA700 D10DE D114 MA700 D10DE D115 S132 D10DE D110 MA700 D10DE D111 MA700 D10DE D111 MA700 D10DE D112 MA700 D10DE D113 MA700 D10DE D114 MA700 D10DE D115 1SS132 D10DE D117 MA700 D10DE D118 MA700 D10DE D119 ISS132 D10DE	C301	CE04EW1C221M		220 20% 16V
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C328	C 3 1 3	CQ92M1H102K	CAP. MYLAR	1000P 10% 50V
C401 CC45FCH1H221J CAP. CERAMIC 220P 5% 50V C402 CQ92M1H102K CAP. MYLAR 1000P 10% 50V D1 1SS132 DIODE	C317	CC45SL1H121J	CAP. CERAMIC	120P 5% 50V
C402 CQ92M1H102K CAP. MYLAR 1000P 10% 50V D1	C328	CC45SL1H101J	CAP. CERAMIC	100P 5% 50V
C402 C492M1H102K CAP. MYLAR 1000P 10% 50V	C 4 0 1	CC45FCH1H221J	CAP. CERAMIC	220P 5% 50V
D2	C 4 0 2	CQ92M1H102K	CAP. MYLAR	
D3				•
D4 1SS132 DIODE D5 1SS132 DIODE D6 1SS132 DIODE D7 1SS132 DIODE D8 1SS132 DIODE D9 1SS132 DIODE D10 1SS132 DIODE D11 NO USE DIODE D12 MA700 DIODE D13 MA700 DIODE D14 MTZ4.7JC DIODE D101 MA700 DIODE D102 MA700 DIODE D103 MA700 DIODE D104 MA700 DIODE D110 MA700 DIODE D111 MA700 DIODE D112 MA700 DIODE D119 1SS132 DIODE D142 MA700 DIODE D152 1SS132 DIODE D162 1SS132 DIODE				
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X74-1550) – 0 0	•	1 h h 1 5	LI	5 1
	PARTS NO	N A	ME & DESCRI	PTION	
R16	NO USE				*
R 1 7	RN14BK2C1803F	RES.	METAL FILM	180K 1	% 1/6W
	NO USE	D.C.C	YEMAL BILV	0.07	N 4 4 0 10
R 19 R 20		KES.	MEIAL FILM	20K 1	% 1/6W
R 2 1	RD14BB2C332J	RES.	CARRON	3.3K 5	5% 1/6W 5% 1/6W
R 2 2	RD14BB2C220J	RES.	CARBON	22 5	1/6W
R 2 3	RD14BB2C220J	RES.	CARBON	2 2 5	% 1/6W
R 2 4	RD14BB2C820J	RES.	CARBON	82 5	% 1/6W
R 2 5	RD14BB2C820J	RES.	CARBON	82 5	% 1/6W
R 2 6	RN14BK2C82R0F	RES.	METAL FILM	82.0	% 1/6W
R 2 7 R 2 8	RD14BB2C510J RD14BB2C101J	KES.	CARRON	51 5	1/6W
R 2 9	RD14BB2C101J	RES.	CARBON	100 5	% 1/6W
	NO USE	nbo.	O M M. D O M	100 , 0	7.70 T 7 O W
R 3 1	RN14BK2C2400F	RES.	METAL FILM	2 4 0 1	% 1/6W
R 3 2	R N 1 4 B K 2 C 2 4 0 0 F	RES.	METAL FILM	2 4 0 1	% 1/6W
R33	R N 1 4 B K 2 C 2 4 0 0 F R D 1 4 B B 2 C 4 7 0 J R D 1 4 B B 2 C 4 7 0 J R N 1 4 B K 2 C 2 7 0 1 F	RES.	CARBON	47 5	% 1/6W
R34	R N 1 4 B K 2 C 2 7 O 1 F	RES.	CARBON	47 5	% 1/6W
R35 R36	RN14BK2C5601F		METAL FILM		% 1/6W % 1/6W
R37	RN14BK2C8200F	RES.	METAL FILM	820 - 1	% 1/6W
R38	RN14BK2C8200F	RES.	METAL FILM		% 1/6W
R 3 9	RD14BB2C911J	RES.	CARBON	910 5	% 1/6W
R 4 0	RD14BB2C511J		CARBON		% 1/6W
R 4 1	RN14BK2C1602F		METAL FILM		% 1/6W
R 4 2			METAL FILM METAL FILM		% 1/6W % 1/6W
R 4 3 R 4 4	RN14BK2C3900F RN14BK2C4701F		METAL FILM		
R 4 5	RN14BK2C4701F		METAL FILM		% 1/6W
	RD14BB2C101J	RES.	CARBON	100 5	% 1/6W
R 5 2	RD14BB2C473J	RES. RES.	CARBON	47K 5	1/6W 1/6W
	R D 1 4 B B 2 C 2 7 3 J R D 1 4 B B 2 C 2 0 2 J	RES.	CARBON CARBON	27K 5	1/6W
R 5 5	RD14BB2C222J	RES.	CARBON	2.2K 5	1/6W
R 5 6	RD14BB2C473J	RES.	CARBON		1/6W
R 5 7	RD14BB2C202J	RES.	CARBON		% 1/6W
R 5 8	RD14BB2C104J	RES.	CARBON		% 1/6W
R 5 9	RD14BB2C103J		CARBON		% 1/6W
R60	RD14BB2C754J	RES.	CARBON		1/6W
R 6 1 R 6 2	RD14BB2C244J RD14BB2C622J	RES. RES.	CARBON CARBON		5% 1/6W 5% 1/6W
R 6 3	RD14BB2C332J	RES.	CARBON		1/6W
R 6 4	RD14BB2C153J	RES.	CARBON		1/6W
R 6 5	RD14BB2C242J	RES.	CARBON		3% 1/6W
R 6 6	RD14BB2C132J	RES.	CARBON		3% 1/6W
R 6 7	RD14BB2C161J	RES.	CARBON		3% 1/6W
R68	RD14BB2C183J	RES.	CARBON		1/6W
R 6 9 R 7 0	RD14BB2C103J RD14BB2C821J	RES. RES.	CARBON CARBON		5% 1/6W 5% 1/6W
R 7 1	RD14BB2C103J	RES.	CARBON		5% 1/6W
R 7 2	RD14BB2C272J	RES.	CARBON		5% 1/6W
R 7 3	RD14BB2C103J		CARBON		5% 1/6W
R 7 4	RD14BB2C511J	RES.	CARBON	510	5% 1/6W
R 7 5	RD14BB2C242J	RES.	CARBON		3% 1/6W
R76	RD14BB2C471J	RES.	CARBON		5% 1/6W
R77 R78	RD14BB2C101J RD14BB2C222J	RES. RES.	CARBON CARBON		5% 1/6W
n i o	UNTANDUCA CA	urbo.	ONRDUN	4. Zn 5	5% 1/6W

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X74-1550-00 REF. NO PARTS NO			N	AMF	&	DF	CRI	PTION		
R79 NO USE) (N 1			
R80 RD14BB2C220 R81 RD14BB2C181			RES. RES.	CAR CAR				22	5 % 5 %	1/6W 1/6W
NO1 ND14DDE0101	U		RLD.	Onn	DV	IN.		100	J /0	1 / O w
R84 RD14BB2C224 R85 RD14BB2C224			RES.	CAR				220K	5 %	1/6W 1/6W
R86 RD14BB2C103		•	RES.	CAR				220K 10K		1/6W
R87 RN14BK2C180			RES.				LM	18K		1/6W
R88 RD14BB2C472 R89 RD14BB2C471			RES. RES.	CAR CAR				4.7K		1/6W 1/6W
R90 RD14BB2C332	J		RES.	C A R	ВО	N		3.3K	5 %	1/6W
R101 RD14BB2C511	J		RES.	CAR	ВО	N		510	5 %	1/6W
R102 RD14BB2C470	J		RES.	C A R				47	5 %	1/6W
R105 RD14BB2C103	J		RES.	CAR	ВО	N		1 0 K	5 %	1/6W
R106 RD14BB2C134			RES.	CAR				130K		1/6W
R107 RD14BB2C102 R108 RD14BB2C102			RES. RES.	CAR CAR				1 K 1 K		1/6W 1/6W
R109 RD14BB2C102	J		RES.	CAR	B 0	N		1 K	5 %	1/6W
R110 RD14BB2C102 R111 RD14BB2C102			RES. RES.	CAR CAR				1 K 1 K	5 % 5 %	1/6W 1/6W
R112 RD14BB2C102	J		RES.	CAR				1 K	5 %	1/6W
R113 RD14BB2C102 R114 RD14BB2C471			RES.	CAR CAR				1 K 4 7 0	5 % 5 %	1/6W 1/6W
R115 RN14BK2C200				MET			LM			1/6W
R116 RN14BK2C300 R117 RD14BB2C911			RES. RES.	MET			LM	3 K 9 1 0		1/6W 1/6W
R118 NO USE	J		NES.	CAR	ЬU	N		910	5 %	1/0%
R119 RD14BB2C102			RES.	CAR			:	1 K	5 %	1/6W
R120 RD14BB2C274 R121 RD14BB2C242			RES. RES.	CAR CAR				270K 2.4K	5 % 5 %	1/6W 1/6W
R122 RD14BB2C242			RES.	CAR				2.4K	5 %	1/6W
R123 RD14BB2C103	J		RES.	CAR	ВO	N		1 0 K	5 %	1/6W
R127 RD14BB2C151	J		RES.	CAR	В0	N		150	5 %	1/6W
R131 RN14BK2C240			RES.	MET	A L	F I	LM	2 4 K	1 %	1/6W
R132 RN14BK2C270 R133 RN14BK2C150			RES. RES.	MET				270K		1/6W 1/6W
R134 RD14BB2C102			RES.	MET CAR			LH	150K 1K	1 % 5 %	1/6W
R135 NO USE R136 RD14BB2C103	T		RES.	CAD	PΛ	N.		1 0 K	5 %	1/6W
R137 NO USE	J		NLS.	OAN	υО	IV .		1 U K	J /a	1 / O W
R138 RD14BB2C101	J		RES.	CAR	B 0	N		100	5 %	1/6W
R141 RD14BB2C332	J		RES.	C A R	ВО	N		3.3K	5 %	1/6W
R142 NO USE R143 RD14BB2C511	J		RES.	CAR	ВО	N		510	5 %	1/6W
R144 RN14BK2C560	1 F		RES.	MET	A L	FI	LM	5.6K	1 %	1/6W
R145 RD14BB2C272 R146 RD14BB2C182			RES. RES.	CAR CAR				2.7K 1.8K	5 % 5 %	1/6W 1/6W
R147 RD14BB2C152	J		RES.	CAR	ВО	N		1.5K	5 %	1/6W
R148 RD14BB2C332 R149 RD14BB2C470			RES. RES.	CAR CAR				3.3K 47	5 % 5 %	1/6W 1/6W
R150 NO USE									100	1.0
R151 RN14BK2C390 R152 RN14BK2C510			RES. RES.					3.9K 5.1K	1 % 1 %	1/6W 1/6W
R153 RD14BB2C273				CAR			וו יי	27 K	5%	1/6W

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	R 1	5	9	R	D J	4	В	В	2 (1	1	3.	ſ :		R	E	S.		С	A	R I	B C	N				1 1	K			5 %	14	1	/ 6	5 W
	R 1	6	0	ř.,																															
	R 1	6	1	R	N 1	4	В	K	2 (5	6	0 (F		R	E	S.		M	E	Τ /	A L	,	FΙ	L	M	56	0			1 %		1	/ 8	3 W
	R 1	6	2	R	D 1	4	В	В	2 (3	3	2 .	:		R	E	S.		С	A	R I	B C) N				3.	3	K		5 %		1	/ 6	5 W
	R 1	6	3	R	D 1	4	В	В	2 (1	0	2 .	ſ		R	E	S.		C	A	RI	B C	N.				1 F				5 %				
	R 1	6	4	R	D 1	4	В	В	2.0	2	7	3 J	١		R	Ε	S,		С	A	R I	3 0	N				27	K			5 %		1	1.6	5 W
	R 1	6	5	R	D I	4	В	В	2 (2	7	3 :	IJ,		R	E	S,		C	A	R I	B (N				27	K			5 %		1	18	5 W
	R 1	6.	6	R	D 1	4	В	B	2 0	8	2	2 J	ij				S.						N				8.	2	K.		5 %				S W
	R 1	7	0	R	N. 1	4	В	K.	2 C	2	0	0.2	F		R	E	S.		M	E	T	A L	,	FΙ	L	M	2 (K			1 %				5 W
	R 1	7	1	R	N 1	4	В	K:	2 0	2	7	0 1	F		R	E	S.		M	Ε	T I	A L	,	FΙ	L	M	2.	7	K		1 %		1	16	S W
	R 1	7	2	R	D 1	4	В	B	2.0	; 4	7	0 J			R	E	S,		C	A:	R I	3 C) N				47	•			5 %		1	16	5 W
	R 1	7	3	R	D 1	4	В	В	2 (4	7	2 J	١.		R	E	S.		C	A :	R I	3 0	N				4.	7	K		5 %		1	1.6	S W
	R 1	7	4	R	N. 1	4	В	K	2, 0	; 4	7	0:1	F		R	E	S.		M	E	TI	A L		FΙ	L	M	4.	7	K		1 %		1	1.6	S W
	R 1	7	5	R	D 1	4	В	B.	2 (1	0	1 J			R	E	S.		C												5 %				5 W
	R 1	7	6	R	N 1	4	В	K	2 (2	4	0 2	F		R	Ε	S.		M	E '	T I	A L		FΙ	L	M	2 4	K			1 %				5 W
	R 1				N C)	U	S	E																						, , ,				
	R 1			R	D 1	4	В	B	2 0	1	0	3 J	ŀ		R	E	S-		С	A	R I	3 0	N				10	K			5 %		1	16	S W
	R 1												1 5						C								1 (5 %				5.W
	R ₁												· ·				s.		C												5 %				5 W
	R 1											2 J					S.						N				6.				5 %				5 W
	R 1											-											-				•				3		_	,	
	R 1									2	2	1.			R	E	S.		С	A	R I	3 0) N				2 2	0 :			5 %		1	18	5 W
	R 1												la :						C								4.				5 %				5 W
	R 1											2 J							Č								1 K				5 %				5.W
	R 1																		C								1 (5 %				3 W
	R 1											2.							C								2.				5 %				5 W
	R 1											23					S.) N				5.				5 %				5 W
	R 1			11						, 0	U	<i>L</i> •			11	L	υ,			11	11 1	,	, 11				υ.	U	11		∪ /0		1	/ \) W
	R 1									٠,	7	2.	r ·		R	F	c		С	ń	RI	2 C	N				4.	7	v		5 %		1	10	5 W
			1								'	<u>د</u> ک			11	L	υ,	•	Ü	Λ	11 1) (, 11				·· ·	•	17		U /0		1	/ () W
			2								9	1	r		R	F	Ċ.		r	A	D I	R ſ	N				2 9	۰ ۸			5 %		1	10	5 W
			3																								22				5 %				5 W
	1/ T	. 0	5	I	נע	. 4	υ	. ע	۷ ر	, 4	_	Ιt			1,	L	υ,	•	U	л	77 1	,	, 14				4 2				<i>U 1</i> 0		1	, (ν
	R 1	q	6	₽	n 1	1	R	R	? ? (. 2	2	1.	i		R	F	ς		C	Δ	RI	a n	N				2 2	, n			5 %		1	10	5 W
	WI		U	11	נע	. 7	υ	D.	۵ ر	, 4	L	1 6	,		11	L	υ,	'	U	л	17 1	<i>.</i>	, 11				4	. 0			<i>U 1</i> 0		1	, ,) W
	R 2	0	1	P	ח ז	ı a	R	R	2 (1.1	Λ	2	г		R	F	S,		С	Δ	R I	R ſ	N				1 F	,			5 %		1	10	5 W
	R 2																S,		C								1 (5 %				5 W
	R 2																S,												K		5 % 5 %				
																											68								S W :
	R 2																S.		C												5 %				5 W
	R 2																		C												5%				3 W
	R 2																										2.				5%				5 W
	R 2																		C								47				5%				5 W
	R 2																S		C										.,		5 %				3 W
	R 2) N						K		5 %				3 W
	R 2												,						C								4.				5 %				3 W
	R 2																S.) N				47				5 %				3 W
	R 2																S.) N				47				5 %				5 W
	R 2			R	D I	4	В	B	2 (1	0	1.	Ţ				S.		C	A	R: I	B () N				1 (0 (5 %			16	3 W
	R 2			R	D:	4	В	В	2 (; 4	7	1.	Ţ,				S,		С	A	R I	B () N				47	0			5 %		1	/ 6	5 W
	R 2	2 1	5	R	D 1	1 4	В	В	2 (6	2	2.	Ι.		R	E	S.		С	A	R I	B C) N				6.	2	K		5 %		1	/ 6	3 W
	R 2	1	6	R	D 1	4	В	В	2 (34	7	0.	1: -		R	E	S.		С	A	R I	B () N				47	,			5 %		1	/ 6	3 W
	R 2	2 1	7	R	D 1	4	В	В	2 (3	0	2.	T (R	Ε	S.		C	Ā	RI	B (N				3 F				5 %				S W
	R 2																												K		5 %				5 W

		IC,8-CH ANALOG MPX/DE-MPX
U 1 2 2	HD14051BFP	IC,8-CH ANALOG MPX/DE-MPX
U 1 2 3	HD14051BFP	IC,8-CH ANALOG MPX/DE-MPX
U124	HD14051BFP	IC,8-CH ANALOG MPX/DE-MPX
U 1 4 1	2 S K 3 3 2 (F)	FET, N-CHANNEL
U 2 0 1	NJM072M	IC, DUAL J-FET INPUT OP-AMP
U 2 0 2	NJM4558M	IC, DUAL OP-AMP
U 2 0 3	NJM072M	IC, DUAL J-FET INPUT OP-AMP
VR1	R12-3549-05	RES. SEMI FIXED 10KB
VR138	R 1 2 - 2 5 2 2 - 0 5	RES. SEMI FIXED 5KB
	R 1 2 - 1 5 4 5 - 0 5 NO USE	RES. SEMI FIXED 1KB
VR145	R12-2522-05	RES SEMI FIXED 5KB

DIODE

D 2 0 4

188132

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ARTS
                                                  LIST
X75 - 1200 - 00
 REF. NO
          PARTS NO
                               NAME
                                    & DESCRIPTION
         S51-2508-05
  K 1
                            RELAY
  K 2
         S51-2508-05
                            RELAY
  K 1 0 1
         $51-2508-05
                            RELAY
  K102
         S51-2508-05
                            RELAY
  L210
         L40-1011-03
                            FERRI INDUCTOR
                                                      10%
                                              100UH
  P 1
         E40-3238-05
                            PIN CONNECTOR
                                              3 P
  P101
         E40-3238-05
                            PIN CONNECTOR
                                              3 P
  P202
         E40-3243-05
                            PIN CONNECTOR
                                              8 P
  P 2 1 1
         E40-3238-05
                            PIN CONNECTOR
                                              3 P
  01
         2SK404(F)
                            FET, N-CHANNEL
                           TR. SI, NPN
  Q2
         2SC3354(S)
  Q3
         2SC3354(S)
                            TR.
                               SI, NPN
  Q4
         2SC3354(S)
                            TR.
                                SI, NPN
                            TR. SI, NPN
  Q 5
         2SC3354(S)
  Q101
         2SK404(F)
                           FET, N-CHANNEL
  Q102
         2SC3354(S)
                           TR. SI, NPN
  Q103
         2SC3354(S)
                           TR. SI, NPN
  Q104
         2SC3354(S)
                            TR. SI, NPN
  Q105
         2SC3354(S)
                            TR. SI, NPN
  Q201
         2SC4049
                           TR. SI, NPN
  Q202
         2504049
                            TR. SI, NPN
  Q203
         2SC4049
                            TR. SI, NPN
  Q204
         2 S C 4 0 4 9
                            TR. SI, NPN
                           RES. CARBON
  R 1
         RD14BB2C100J
                                                     5 %
                                              1.0
                                                          1/6W
  R 2
         RN14BK2E1803D
                           RES. METAL FILM 180K 0.5% 1/4W
  R 3
         RN14BK2E8203D
                           RES. METAL FILM 820K 0.5%
                                                         1/4W
  R 4
         RD14BB2C684J
                           RES. CARBON
                                              6.80 K
                                                     5 %
                                                          1/6W
                           RES. CARBON
  R 5
         RD14BB2C102J
                                              1 K
                                                     5 %
                                                          1/6W
  R6
         RD14BB2C132J
                           RES. CARBON
                                              1.3K
                                                     5 %
                                                          1/6W
  R 7
         RD14BB2C622J
                           RES. CARBON
                                              6.2K
                                                     5 %
                                                          1/6W
  R8
         RD14BB2C392J
                           RES. CARBON
                                              3.9K
                                                     5 %
                                                          1/6W
  R 9
         RD14BB2C100J
                           RES.
                                 CARBON
                                              10
                                                     5 %
                                                          1/6W
  R10
         RD14BB2C751J
                           RES. CARBON
                                              750
                                                     5 %
                                                          1/6W
  R 1 1
         RD14BB2C181J
                           RES. CARBON
                                              180
                                                     5 %
                                                          1/6W
  R12
         RD14BB2C103J
                           RES. CARBON
                                              10 K
                                                     5 %
                                                          1/6W
  R13
         RD14BB2C562J
                           RES. CARBON
                                                     5%
                                              5.6K
                                                          1/6W
  R14
         RN14BK2C1004F
                           RES. METAL FILM 1M
                                                     1%
                                                          1/6W
  R15
         RD14BB2C472J
                           RES. CARBON
                                              4.7K
                                                     5 %
                                                          1/6W
  R16
         RD14BB2C100J
                           RES. CARBON
                                              10
                                                     5 %
                                                          1/6W
  R 17
         RD14BB2C621J
                            RES. CARBON
                                              620
                                                     5 %
                                                          1/6W
                           RES. CARBON
  R18
         RD14BB2C103J
                                                     5\%
                                              1 0 K
                                                          1/6W
  R19
         RN14BK2C1500F
                           RES. METAL FILM 150
                                                     1%
                                                          1/6W
  R20
                           RES. METAL FILM 300
         RN14BK2C3000D
                                                    0.5% 1/6W
  R 2 1
         RN14BK2C3000D
                           RES. METAL FILM
                                              300
                                                    0.5%
                                                         1/6W
  R 2 2
         RN14BK2C6000D
                           RES. METAL FILM 600
                                                    0.5% 1/6W
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RES. METAL FILM 200

620

10 K

RES. CARBON

RES. CARBON

0.5% 1/6W

1/6W

1/6W

5%

5%

R 23

R 2 4

R31

RN14BK2C2000D

RD14BB2C621J

RD14BB2C103J

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* * PARTS. LIST

V75 100	* *	* PARTS LIST
X75-1200 REF. NO	PARTS NO	NAME & DESCRIPTION
R 1 0 4 R 1 0 5 R 1 0 6 R 1 0 7 R 1 0 8 R 1 0 9 R 1 1 0 R 1 1 1 R 1 1 2 R 1 1 3 R 1 1 4 R 1 1 5 R I I 6	R N 1 4 B K 2 E 1 8 0 3 D R N 1 4 B K 2 E 8 2 0 3 D R D 1 4 B B 2 C 6 8 4 J R D 1 4 B B 2 C 1 0 2 J K D 1 4 B B 2 C 1 3 2 J R D 1 4 B B 2 C 6 2 2 J R D 1 4 B B 2 C 3 9 2 J	RES. CARBON 10 5% 1/6% RES. METAL FILM 180K 0.5% 1/4% RES. METAL FILM 820k 0.5% 1/4% RES. CARBON 680K 5% 1/6% RES. CARBON 1k 5% 1/6% RES. CARBON 1.3k 5% 1/6% RES. CARBON 6.2k 5% 1/6% RES. CARBON 3.9k 5% 1/6% RES. CARBON 10 5% 1/6% RES. CARBON 10 5% 1/6% RES. CARBON 10k 5% 1/6% RES. CARBON 10k 5% 1/6% RES. CARBON 4.7k 5% 1/6% RES. CARBON 10 5% 1/6% RES. CARBON 10 5% 1/6% RES. CARBON 10k 5% 1/6% RES. CARBON 10k 5% 1/6%
R 1 3 1	RD14BB2C103J	RES. CARBON 10K 5% 1/6V
R 2 0 1 R 2 0 2 R 2 0 3 R 2 0 4 R 2 0 5 R 2 0 6 R 2 0 7 R 2 0 8 R 2 0 9 R 2 1 0 R 2 1 1	RD14BB2C102J RD14BB2C102J RD14BB2C102J RD14BB2C102J RD14BB2C102J RD14BB2C101J RD14BB2C101J RD14BB2C101J RD14BB2C101J RD14BB2C101J RD14BB2C223J RD14BB2C223J	RES. CARBON 1 K 5% 1/6 W
S 1	S 0 2 - 4 5 1 1 - 1 5	ATTENUATOR UNIT
S 1 0 1	S 0 2 - 4 5 1 1 - 1 5	ATTENUATOR UNIT
U 1	LF411CN	IC, DUAL JEET INPUT OF AMP
U 1 0 1	LF411CN	IC, DUAL JEET INPUT OP AMP
U 2 0 1 U 2 0 2	HD74HC595FP HD74HC595FP	IC,8-BIT SHIFT REGISTER/LATCH IC,8-BIT SHIFT REGISTER/LATCH
VR1 VR2	R 1 2 - 4 5 1 6 - 0 5 R 1 2 - 0 5 7 7 - 0 5	RES. SEMI FIXED 50KB RES. SEMI FIXED 500 B
	R 1 2 - 4 5 1 6 - 0 5 R 1 2 - 0 5 7 7 - 0 5	RES. SEMI FIXED 50KB RES. SEMI FIXED 500 B

													*	*		*			- 1			P	1	A	I	?	T	•	S				l		I		S	7	Γ				
77-172(REF. NO L1 L2	L	P	A	. F	• 1	C	1	. 1	ļ -	- () 3	3	c			F	E	R	R	I		I	Į Į	D I	U (]	0	R	R		1 (0 (J (N H H				0 %				4	
P 1 P 2 P 3 P 4	E	4	0)	7	2 2	0	1) -	- () 5)				P P	I I	N N		C (C))	N I	I	Ξ(3]	(R			1	3 4 2 (5 (4 (I C)										
Q 1 Q 2																				S :																							
R 6 R 7 R 8	R R R R	D D D D D N	1 1 1 1 1 0	4 4 4 4 4	B B B B B U	B B B B	2 2 2 2 2 2 E		3 3 3 1 4 1	3 9 3 9 1 7 1 7) 1) 2) 3) 3	J J J J				R R R R	E E E E	S S S S S) () () () () (A I A I A I A I	R E R E R E	3 (3 (3 (3 (N (C)						3 (3 (3 (1 (4 .	9 (9 (9 (7 (7 (8) ; ; ; K			5 5 5 5 5 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1 1 1 1	11111	6 6 6 6 6		
R 9 R 1 0																				. (
R 2 4 R 2 5												J								(K										
R 2 8 R 2 9 R 3 0 R 3 1 R 3 2 R 3 3	R R R	D N D D	1 1 1	4 4 4	В В В	B K B B	2 2 2 2	C	1 1 1	5 3 0	0 3	J	F]	R I R I R I	E : E :	S S S) M		A F E T A F	E E	3 C) N	F	I		M]	l. 13	5 3 0 8 K	K			5 % 1 % 5 %	% %		1 1 1	///	6 6 6	W W W	
R34 R35 R36 R37 R38 R39 R40 R41 R42 R43 R44	R R R R R R R R R	D N N N N N N N N N N	1 1 1 1 1 1 1 1 1	44444444	B B B B B B B B B	B K K K K K K K K K K K K	2 2 2 2 2 2 2 2 2 2		5 5 3 9 1 4 2 1 4	1 3 0 8 7 4 8 7	0 0 0 0 0 0 0 0	1 1 2 0 1 1 0 1	FFFFFFFFF			RIARIA RI	E E E E E E E E	S . S . S . S . S . S . S . S . S . S .		M M M M M		E 1 E 1 E 1 E 1 E 1	AAAAAAAAAAA			FFFFFFFFF	I I I I I I I		M M M M	5 5 9 1 4 2 1 4	5. 5. 33 10. 11.	1 1 1 8 8 7 8 7	K K K K			1 %	0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0		1 1 1 1 1 1 1	111111111	6		
R 4 6 R 4 7 R 4 8 R 4 9	R R R R	N N N D D	1 1 1 1 1 0	4 4 4 4 4	B B B B U	K K K B B	2 2 2 2 2 2 E	0000	1 5 5 1	0 6 0 0	0 0 3 3	0 0 J J	F F]]]]	R 1 R 1 R 1 R 1	E E E E E	S . S . S .	•	M M	I E I E I E I E I E	ET ET AR	A A B B	L	N N	F F	I I	L L	M M	1 5 1 1	0 0 0 0 0 0	K 0 0 0 K K			!	1 % 1 % 1 % 1 % 5 % 5 % 5 % 5 %	0 0 00 00 00 00		1 1 1	1111	6 6 6	W W W W	
R 5 4	R																			C											. 0					5 ½			1		6.		
R 5 8 R 5 9 R 6 0 R 6 1 R 6 2 R 6 3	R R R	D D D	1 1 1	4 4 4	B B B	B B B	2 2 2 2	CCCC	2 2 2 4	2 2 2 7	2 2 3	J J J				R I R I R I	E S E S E S	S. S.		C	A	R R R R	B B B	0	N N					2 2 2	?.	2 2 2 K			1	5 % 5 % 5 % 5 %	0 / 0 / 0		1 1 1	////	6 I	W W	

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X77 - 1720 - 00
 REF. NO
         PARTS NO
                             NAME & DESCRIPTION
  U 26
         HD74HC08FP
                          IC, QUAD 2-INPUT AND GATE
  U 27
        HD74HC04FP
                          IC, HEX INVERTER
  U 28
         HD74LS157FP
                          IC, 2 TO 1 DATA SELECTORS
                          IC, 2 TO 1 DATA SELECTORS
        HD74LS157FP
  U29
  U30
         HD74LS107AFP
                          IC, QUAD JE-FF WITH CLEAR
  U31
         HD74LS11FP
                          IC, TRIPLE 3-INPUT AND
                          PROGRAMMED ROM
  U32
        T93-0752-04
  U33
        CTM5020
                          IC, GATE ARRAY
                                                        0 V
  U34
        HD74HC174FP
                          IC, HEX D-TYPE FLIP-FLOP
  U35
         AM6012DC
                          IC, 12-BIT D/A CONVERTER
  U36
         HD14051BFP
                          IC, 8-CH ANALOG MPX/DE-MPX
  U37
        HD14051BFP
                          IC,8-CH ANALOG MPX/DE-MPX
  U38
        HD14051BFP
                          IC, 8-CH ANALOG MPX/DE-MPX
  U39
        HD14052BFP
                          IC, DUAL 4-CH ANALOG MPX/DE-MPX
                          IC, DUAL 4-CH ANALOG MPX/DE-MPX
  U40
        HD14052BFP
                          IC, OCTAL BUS BUFFER
  U41
        HD74HC244FP
  U42
        NJM072M
                          IC, DUAL J-FET INPUT OP-AMP
  U43
        NJM072M
                          IC, DUAL J-FET INPUT OP-AMP
  U 4 4
        NJM072M
                          IC, DUAL J-FET INPUT OP-AMP
  U45
        NJM072M
                          IC, DUAL J-FET INPUT OP-AMP
        HD74HC00FP
  U46
                          IC, QUAD 2 INPUT NAND GATE
  U 47
                          IC, VOLTAGE COMPARATOR
        NJM311M
  U48
        DACO808LCN
                          IC.8-BIT D/A CONVERTER
  U49
        HD74HC564FP
                          IC, OCTAL D-TYPE FLIP-FLOP
  U 5 0
        HD74HC574FP
                          IC, OCTAL D-F. F. (3-S)
                          IC,8-CH ANALOG MPX/DE-MPX
  U51
        HD14051BFP
                          IC, DUAL J-FET INPUT OP-AME
  U 5 2
        NJM072M
                          IC, DUAL J-FET INPUT OP-AMP
  U53
        NJM072M
                          CRYSTAL RESONATOR
  X 2
        L77-1229-05
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ST	ORAGE	=	u	N.	I -	T				*	*	¢	*				P	A		R	Т	S	; -v			L	I		S	T	•			*	*
(X77	7-1730	- 0	0))_	_												**	0		.		C D	. T	ח יי	· T	Λ.	AT.								
(EF. NO C1 C2	P J7 CE CE	3 - 0 4	- 0 1 E	1 W	2 (1 () - C 1	0	1 l	YI			P (C B		(U E	N I L I	M C E C	U T	N T	T E)	CR D)		1 (0 (1 6 1 6			100
	0.2 0.3	CE	0 4	ΙE	W	1 (C 1	0	1 1	1			C A	P		Ε	LI	ΕC	Т	R ()			1 (0 (2	0 !	%		16	V		
(C 4	CE	0 4	1 E	W	1 (31	0	1 1	4	•		C I	P	•	E	LI	E C	T	R ()											16 50		٠.	
	C 5 C 6	C Q C Q											CI	i P		n M	Y	LA	R	. 4	j. 1			0.	1			1	0	%	- 3	5 0	V		
(C 7	CQ	9 2	2 F	M	1 I	H 1	0	4	K						M			R													5 (5 (1.2
	C 8	C Q N					H I	U	4 !	K.			C I	4 1	•	n	Ι.	Li	л 2																
(C 1 0	C 9														M C						LM	í									1 (5 (
	C 1 1 C 1 2	CC														C								1	0 P	,	().	5	P		5 (V		
	C13	CQ	9 2	2 F	M	1	H 1	. 0	4	K			C	A F	•	M	Y	L	A R					0	. 1			1	0	%		5 () V		10
	C 6 1	C E	0	4 E	W	1	C 1	0	0	M						E									0					%			5 V		
	C62 C63	C E													· ·	E			CT CT					2 2								1 6 1 6			
	C64	CE	0	4 F	: W	1	\mathbb{C}_2	2 2	0	M			C.	A F	٠.	E	L	Ε(JΊ	R	0			2	2			2	0	%		16	3 V		
	C65 C66							2 2	0	M			С	A I	. •	E	L	Ε	C 7	R	0			2	2			2	0	%		1 (۷ c		
	C67							2 2	0	M			C	A l	•	E	L	E	C I	R	0			2	2			2	0	%		1	6 V		
	C71	CC	; 4	5 I	3 C	H	1 1	H 2	2 2	1 J						(C							5	%				0 V		
	C72	CG	-												P.	N			A F A F							l 1		1	. 0 ი	%		5 5	0 V 0 V		
	C73 C74	C (Ρ.				ΑI							1				%		5			
	C 8 1	CF	₹4	5 1	FF	7 1	H	1 (3 (Z			С	A :	Ρ.	(ΞE	R	A l	1 I	C			0	•	0 1						5	0 V	,	
	C120	C I						1 (3 (Z			С	A	Р.	(E	R	A l	M I	С			0	•	0 1						5	0 V	i	
	C121 C122	CI						1 (3 (Z						(0 1	-						0 V		
	C130	C I	E 0	4	ΕI	W 1	E	2 :	2 0	M			С	A	Ρ.		ΕL	Ε	С.	TR	0			2	2			2	2 () %		2	5 V	f	
	C140	C	C 4	5	F	SL	. 1	Н	1 0	1.	J		С	A	Р.	1	C E	E R	A	M I	C					0 F			5 %				0 1		
	C143	C	C 4	5	F	S L	. 1	H	1 (1.	J		C	A	Ρ.		C E	ER	A	M I	C			1	0	0 I)	•	5 %	6		5	0 7	I	
	C150	C	K 4	5	F	F 1	H	1	0 3	3 Z			C	A	Ρ.		C E	ER	A	M I	С			C	٠.	0]	l					5	0 1	V	
	C171									3 Z																0 :							0'		
	C172 C173									3 Z 3 Z																0								V .	
	C174 C175	C						1	۸ ۰	3 Z			ſ	` Δ	р		C I	FR	Ι Δ	M	ī C.			()	0	1					5	0.	V	
	C176									3 Z			(C A	P	•	CI	E R	A	M	I C					0							0		
	C180									3 Z																0							0		
	C181	С	K 4	4 5	F	F:	1 H	1	0 :	3 Z			(CA	P	•	C I	E F	A	M	I C			().	0	1					5	0	٧	
	C186									3 Z																0							0 6		
	C187 C188									3 Z 3 Z																						5	0	V	
	C189	C	K	4 5	F	F	1 H	1	0	3 Z			(CA	P		C	ΕF	R A	M	ΙC			1	Ο.	0	1						0 6		
	C190									3 Z																									
	C 2 0 1	С	K	4 5	F	F	1 F	I 1	0	3 Z			(C A	P	•	С	Εŀ	R A	M	I C			1	0.	0	1					5	50	٧	

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X77 - 1730 - 00
          PARTS NO
 REF. NO
                               NAME & DESCRIPTION
         GK45FF1H103Z
                            CAP. CERAMIC
  C 2 0 2
                                               0.01
                                                           50 V
  C203
         CK45FF1H103Z
                            CAP. CERAMIC
                                               0.01
                                                           50 V
  C204
         CK45FF1H103Z
                            CAP. CERAMIC
                                               0.01
                                                           50 V
  C205
         CK45FF1H103Z
                            CAP. CERAMIC
                                               0.01
                                                           5 0 V
  C206
         CK45FF1H103Z
                            CAP. CERAMIC
                                               0.01
                                                           50 V
  C207
         NO USE
  C208
         CK45FF1H103Z
                            CAP. CERAMIC
                                               0.01
                                                           50 V
                            CAP. CERAMIC
  C209
         CK45FF1H103Z
                                               0.01
                                                           50 V
         CK45FF1H103Z
                            CAP. CERAMIC
                                               0.01
  C210
                                                           50 V
                            CAP. CERANIC
  C 2 1 1
         CK45FF1H103Z
                                               0.01
                                                           50 V
  C212
         CK45FF1H103Z
                            CAP. CERAMIC
                                               0.01
                                                           50 V
                            CAP. CERAMIC
  C213
         CK45FF1H103Z
                                               0.01
                                                           50 V
                            CAP. CERAMIC
  C214
         CK45FF1H103Z
                                               0.01
                                                           50 V
                            CAP. CERAMIC
  C215
         CK45FF1H103Z
                                               0.01
                                                           50 V
  C216
         CK45FF1H103Z
                            CAP. CERAMIC
                                               0.01
                                                           50 V
  C 2 2 1
         CQ92FM1H104K
                            CAP: MYLAR
                                               0.1
                                                     10%
                                                           50 V
                            CAP. ELECTRO
  C 2 2 2
         CE04EW1E470M
                                               47
                                                     20%
                                                           25 V
                            CAP. MYLAR
  C 2 2 3
         CQ92FM1H104K
                                                           50 V
                                               0.1
                                                     10%
                            CAP. MYLAR
  C224
         CQ92FM1H104K
                                               0.1
                                                     10%
                                                           50 V
  C225
         CQ92FM1H104K
                            CAP. MYLAR
                                               0.1
                                                      10%
                                                           50 V
                            CAP. MYLAR
  C2.28
         CQ92FM1H104K
                                               0.1
                                                      10%
                                                           50 V
                            CAP. CERANIC
                                               0.01
  0229
         CK45FF1H103Z
                                                           50 V
         CK45FF1H103Z
                            CAP. CERAMIC
                                               0.01
                                                           5.0 V
  C230
                            CAP. CERAMIC
  C231
         CK45FF1H103Z
                                               0.01
                                                           50 V
  D10
         155132
                            DIODE
                            DIODE
  D11
         1SS132
  D 1 2
         188132
                            DIODE
         MA700
  D13
                            DIODE
  D130
         MTZ4.7JC
                            DIODE, ZENER
                                               9.6V
         L40-1011-03
                            FERRI INDUCTOR
                                                       10%
  L1
                                               100UH
  L 5
         L40-1011-03
                            FERRI INDUCTOR
                                               100UH
                                                       10%
  L6
         L40-1011-03
                            FERRI INDUCTOR
                                               100UH
                                                       10%
  P 2
         E40-7208-05
                            PIN CONNECTOR
                                               26 P
  P 3
         E40-7209-05
                            PIN CONNECTOR
                                               50 P
                                               40P
  P 4
         E40-7035-05
                            SOCKET
  P-5
          NO USE
  P6
         E40-3243-05
                            PIN CONNECTOR
                                               8 P
  .P7
         E40-5066-05
                            PIN CONNECTOR
                                               9 P
                            PIN CONNECTOR
  P101
         E40-3238-05
                                               3 P
  041
         2SK583
                            FET. N-CHANNEL
  Q120
         2SA1175(F)
                            TR. SI, PNP
  Q162
         2SA1175(F)
                            TR. SI, PNP
  R 1 1 1
         RD14BB2C103J
                            RES. CARBON
                                               10 K
                                                      5 %
                                                         1/6W
                            RES. CARBON
  R112
         RD14BB2C472J
                                               4.7K
                                                      5 %
                                                          1/6W
                            RES. CARBON
                                               4.7K
                                                          1/6W
         RD14BB2C472J
                                                      5 %
  R113
                         RES. CARBON
  R114
         RD14BB2C101J
                                               100
                                                      5 %
                                                          1/6W
  R115
         RD14BB2C103J
                            RES. CARBON
                                               10 K
                                                      5 %
                                                          1/6W
```

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X77 - 1730 - 00
                        NAME & DESCRIPTION
 REF. NO
         PARTS NO
        MB84256-10LL-FP IC, S-RAM
  1189
        MB8464-10LL-FP
                          IC,S-RAM
  1190
        HD74HC125FP
                          IC, QUAD BUS BUFFER (3-S)
  U91
                          IC, GATE ARRAY
        CTM5120
  U 9 2
        T93-0753-04
                          IC, PROGRAMMED ROM
  U95
        MB84256-10LL-FP IC, S-RAM
  U105
                          IC,3-TO-8 LINE DECODER
        HD74HC238FP
  U106
        HD74HC138FP
                          IC,3-8 DECOD./DE-MPX
  U107
                          IC,OCTAL D-F.F. (3-S)
        HD74HC574FP
  U108
                          IC, OCTAL 3-S BUFFER/LINE DRIVE
         HD74HC541FP
  U109
          NO USE
  U110
                          IC, QUAD 2-INPUT AND GATE
  U111
         HD74HC08FP
  U 1 1 2
          NO USE
                          IC, DUAL D-F.F.
         HD74HC74FP
  U113
                          IC, QUAD 2 INPUT NAND GATE
  U114
         HD74HC00FP
         HD74HC574FP
                          IC, OCTAL D-F. F. (3-S)
  U120
                          IC, DUAL D-F.F. (WITH PR&CLR)
         HD74LS74FP
  U121
  U122
         NO USE
                          IC, STNC. 4-BIT BINARY COUNTER
         HD74LS161FP
  U123
                          IC, STNC. 4-BIT BINARY COUNTER
  U124
         HD74LS161FP
                          IC,OCTAL D-F.F. (3-S)
         HD74HC574FP
  U127
                          IC, DUAL D-F.F. (WITH PR&CLR)
  U128
         SN74ALS74AN
                          IC, DIFFERENTIAL COMPARATOR
  U129
         NJM360M
                          IC, LATCH
         SN74S196N
  U130
                          IC, DUAL D-FLIP FLOP
         SN74F74N
  U131
                          IC, SYNC. 4-BIT COUNTER
         HD74HC161FP
  U132
                          IC, DUAL 4-1 DATA SELECTOR/MPX
         SN74AS153N
  U133
                          IC, PROGRAMMABLE DEMULTIPLIER
         SPG-8650-0
  U134
                          IC, DUAL D-F.F.
  U135
         HD74HC74FP
                          IC,3-TO-8 LINE DECODER
  U136
         HD74HC238FP
                          IC.DUAL D-F.F. (WITH PR&CLR)
         SN74ALS74AN
  U137
                          IC, OCTAL D-F. F. (3-S)
         HD74HC574FP
  U138
                          IC, 8:-BIT REGISTER BINARY COUNT
         HD74HC592FP
  U139
                          IC, 8-BIT REGISTER BINARY COUNT
         HD74HC592FP
  U140
                          IC, 8-BIT REGISTER BINARY COUNT
         HD74HC592FP
  U141
                          IC,8-BIT REGISTER BINARY COUNT
   U142 HD74HC592FP
                          IC, 8-BIT REGISTER BINARY COUNT
   U143
         HD74HC592FP
                           IC, 12-BIT D/A CONVERTER
         AM6012DC
   U148
         HD74HC4040FP
                           IC. 12-BIT BINARY COUNTER
   U149
                           IC, DUAL J-FET INPUT OP-AMP
   U150
         NJM072M
   U151
          NO USE
                           IC, HEX INVERTER
         SN74ALS04AN
   U152
                           IC, OCTAL 3-S BUS TRANSCEIVER
         HD74HC245FP
   U153
                           IC, OCTAL D-F.F. (3-S)
         HD74HC574FP
   U154
                           IC, DUAL 4-1 DATA SELECT. / MPX
   U155
         HD74LS153FP
                           IC, OCTAL BUS BUFFER
         HD74HC244FP
   U156
                           IC, OCTAL BUS BUFFER
         HD74HC244FP
   U157
                           RES. SEMI FIXED 5KB
         R12-2523-05
   V R 1 1
                           RES. SEMI FIXED 10KB
         R12-3551-05
   VR12
                           CRYSTAL RESONATOR
   Х3
          L77-1071-05
   X4
          L77-1069-05
                           CRYSTAL RESONATOR
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A/D CONVE		UNI	T*	*	*	. P	A	R	Т	S :		L]	Ī	S	T			*
(X78-1080	-00)				X7 4	v =	0			D T	יד מ	1 0	λī				í.		8
`REF.NO	PART	S NO			N A						PI	10	N						
					PCB () :	0.0		,		c 1	•	E /	N W	
C 3	CC45F) /			
C 4	CQ92F		04K		CAP.	MYI	Al	R			υ.	1	1.5	1	U	6	5 (). V	
C 5	NO U					1		1								,	: 	\ T J	
C 6	CQ92F	M 1 H 1	04K		CAP.	MYI	A I	R			0.	1		1	0 %	6	5 () V	
								· .							~ 0	:. √		• 17	
C 1 2					CAP.	ELI	E C :	rrc)		47					V 6			
C 1 3	C E 0 4 E	W1C4	70 M		CAP.	ELI	EC:	r R C)		47		٠.	Z	0 7	V O	1 (5 V	
		· 				G F 1	n . 1				0.0			٨	= 1	P	5 () W	
C 1 6	CC45F	CHIH	0800		CAP.	UE.	KAI	mıt	9 i 		8 P		* 1	<i>U</i>	O I		יט	<i>y</i> •	
		.,, .	0.41/-		C A D	WW	1	D			0.	1		1	۸ ۹	%	5.1) V	
C19			0 4 K		CAP.	M Y	LA	М .			٠.	1		1	υ,	<i>r</i> o		•	
C 2 0	NO U		9701		CAP.	CE	D A 1	M-T (•		27	P		- 5	0 /		5	0 · V	
C 2 1	CC45F		2103		CAI.	UL.	n n	nı	,		٠.	•			,ru		Ü	• ,	
C 2 2	NO U		9701		CAP.	CF	R A	MIG	~		27	Р		5	٥٧		5	0 V	
C 2 3	NO U		2103		ONI.	OL	nn.	11 1 1	,		٠.	•			,70		,	•	
C 2 4	CE04E		7 0 M		CAP.	EL	F.C	TRI	<u>, </u>		47	,		2	0	%	1	6 V	
C 2 5	CE04E				CAP.							,				%			
C 2 6 C 2 7	CQ92F				CAP.	MY						1				% %			
C 2 8	CQ92F				CAP.							1				%			
C 2 9	CQ92F				CAP.						0.	1				%			
C30	CQ92F				CAP.						0.	1:		1				0 · V	-
C31	CQ92F				CAP.							1				%		0 V	
C32	CQ92F				CAP.							1						0 V	
032	CQ92F				CAP.											%		0 V	
C34	CQ92F				CAP.	·γ γ	L.A	R				. 1				%		0 · V	
C35	CQ92F				CAP.							. 1						0.1	
C36	CQ921				CAP.				100			. 1				%		0.1	
C37	CQ921				CAP.										0	%	5	0.V	
C38	CQ921				CAP.											%		0.1	7
	CQ921				CAP.						0	. 1		1	0	%	5	0 V	
C 4 0	CQ921				CAP.		LA	R			0	. 1	5. 1	,]	0	%		0 V	
C 4 1	CQ921				CAP.	MY	LA	R				. 1						0 V	
C 4 2	C K 451	FF-1:H 1	103Z		CAP.	CE	RA	MI	C		0	. 0	1			1.0	5	0 V	
C 4 3	NO 1	USE																	
C 4 4	CQ921	FM1H	104K		CAP.	MY	LA	R			0	. 1	4. 3		1 0	%	5	0 V	
C45	CQ92	FM1H:	104K		CAP.	MY	LA	R			0	. 1	3.5		1 0	%	5	0 V	
C46	CC45	FCH11	H 121J		CAP.	C E	RA	MI	С		1	2 0	P	4	5 %	3	5	0 7	
C 4 7					CAP.						0	. 1	3 8		10	%	5	0 V	
C 4 8	CQ92	FM1H:	104K		CAP.	MY	LA	IR -			0	. !			1 0	7⁄6 ∃ . n/	5	0 V	
C 4 9	CQ92	FM1H	104K		CAP.	MY	LA	K	^		0	. 1			1 U	76 . 0/ .	- 1	0 V 6 V	, ,
C 5 0	CE04	EWIC.	101M	11	CAP.	EL	しとし) I K	U		T	U U			4 U	/b	1	0 V	, ,
C 5 1			104K		CAP.	· M)	(LA	k K			U	. 1				//0			
C 5 2	NO COAF	USE	110701	r	CAP.	CE	7 D A	AMT	с .		9	7 D							
C 5 3 C 5 4	CC 45	PURI. Puri	H 2 7 0 J	! [CAP.	CI	3 R <i>I</i>	MI	C		2	7 P	1.3		5 %	0		5 O V	, :
654	0043	roni	11 2 7 0 3		CKI,	O I	. II I	1111											
C 6 1	C C 4 5	FCH1	H150	ſ	CAP	СŦ	3 R /	AMT	C			5 P			5 %	6 : :		5 O V	1 3
C 6 2	CC45	FCH1	H 180	I	CAP	CI	ER A	AMI	Č		1							5 O V	
C63	CC45	FCH1	H 1 0 0 F)	CAP	CI	E R I	A M I	C		1							5 0 V	
C 6 4					CAP.													5 0 V	
	CE04																	l 6 V	
	CQ92											. 1	4		1 () %		5 0 V	Į :
																		.	
C 7 7	C K 4 5	FF1H	103Z					A M I	C		0	. 0	1					501	1
	سم										^							= ^ 1	ī
C 8 2	CK45	FF1H	103Z		CAP.	C	EK.	A M	ĻŪ		U	. 0	1				;	501	i

	- 751 LKg - 43		
		CAP. ELECTRO CAP. MYLAR	
C106	CK45FF1H103Z	CAP. CERAMIC	0.01 50V
C110 C111 C112 C113	CK45FF1H103Z CK45FF1H103Z	CAP. CERAMIC CAP. CERAMIC	0.01 50V 0.01 50V 0.01 50V
C 1 2 0	CQ92FM1H104K	CAP. MYLAR	0.1 10% 50V
C142	CK45FF1H103Z		0.01 50V
C 1 4 5 C 1 4 6		CAP. CERAMIC CAP. CERAMIC	0.01 50V 0.01 50V
	CK45FF1H103Z CK45FF1H103Z CC45FSL1H331J		0.01 50V 0.01 50V 330P 5% 50V
C155 C156 C157 C158 C159 C160 C161 C162 C163		CAP. CERAMIC CAP. ELECTRO CAP. MYLAR CAP. MYLAR CAP. ELECTRO CAP. MYLAR	0.01 50 V 47 20% 16 V 0.1 10% 50 V 0.1 10% 50 V 47 20% 16 V 0.1 10% 50 V 0.1 10% 50 V
C180	C K 4 5 F B 1 H 1 O 2 K	CAP. CERAMIC	1000P 10% 50V
C 2 2 6 C 2 2 7	CQ92FM1H104K CQ92FM1H104K	CAP. MYLAR CAP. MYLAR	0.1 10% 50V 0.1 10% 50V
C302 C303 C304 C305 C306 C307 C308 C310 C311 C312 C313 C314	CE04EW1C101M CQ92FM1H104K CE04EW1C101M CQ92FM1H104K CE04EW1C101M CQ92FM1H104K CK45FF1H103Z CK45FF1H103Z CK45FF1H103Z CK45FF1H103Z CK45FF1H103Z CK45FF1H103Z	CAP. ELECTRO CAP. ELECTRO CAP. MYLAR CAP. ELECTRO CAP. MYLAR CAP. ELECTRO CAP. MYLAR CAP. CERAMIC CAP. MYLAR CAP. MYLAR CAP. CERAMIC	100 20% 16V 0.1 10% 50V 100 20% 16V 0.1 10% 50V 100 20% 16V 0.1 10% 50V 0.01 50V 0.01 50V 0.01 50V 0.01 50V 0.1 10% 50V 0.1 10% 50V 0.1 10% 50V
C320 C321	CC45FCH1H151J CC45FCH1H100D		150P 5% 50V 10P 0.5P 50V
C 3 2 5	CC45FCH1H330J	CAP. CERAMIC	33P 5% 50V
C329 C330	CC45FCH1H150J NO USE	CAP. CERAMIC	15P 5% 50V

			. D	р т с		7 0 9		
X78-1080-00	* *	*	PA	$\mathbf{R} = \mathbf{T} \otimes \mathbf{S}^{\perp}$	L	1 8 1	l.	* *
REF. NO PARTS NO		N A I	ME 0.	DESCRI	DTIO	N 7		
C331 CC45FCH1H03		CAP.			3 P	0.25F		
C332 NO USE	00	CAI.	OLKAN	1 G	3 1	0.231	501	
C333 CC45FCH1H03	0.0	CAP. TO	CER A M	I Car	3 D	0.25F	50V	
0000 004010111100	00	Uar, :	JUNNI	10	01	0.201	5 O V Y	
C355 CC45FCH1H33	n T	CAP. C	CERAM	I C .	33P	5.0/	5 0 V	7
0000 00401011100	0.5	Oni.	CHAI	10	551	U /0 :: :	301	
C359 CC45FCH1H15	0.I	CAP. (TERAM	T C	15P	5% 3	5 0 V	
C360 NO USE		0.1.		43	101	О Д 3	200	
C361 CC45FCH1H39	0 J	CAP. C	CERAM	I C	39P	5 %	5 0 V	a ^{tt}
		1,43						
C367 CC45FCH1H39	0 J	CAP. 0	CERAM	I C	39P	5 %	5 0 V	
							Parg. :	1 1
C372 CC45CH1H220	J	CAT. C	CERAM	I C	2 2 P	5 %	50 V	
C373 NO USE		J 1		\$ & S		NAT PE		€ .
C374 CC45CH1H220	J	CAP. (CERAM	I C	22P	5 %	5 0 V	
0000 00457074				. 1				
C382 CC45FCH1H04	0 C	CAP. (CERAM	I C	4 P	0.25F	5 0 V	
C383 NO USE	0.0	C.L.D.	3770	T 0	4.0	10 0 E		
C384 CC45FCH1H04	0.6	CAP.	JERAM	10	4 P	0.25 P	50 V	
C601 CQ92FN1H103	17	CAP.	V T A D		Λ Λ1	100	EAV	
C602 CK45FB1H102		CAP. (10% P 10%		
OUCZ OR45FDIHIUZ	IV.	Oni.	JERKH	1.0	1000	I 10/6	3 U V	
C701 CQ92FM1H103	K	CAP.	VI.AR.		0 0.1	10%	50 V	
C702 CK45FB1H102		CAP. (P 10%		- -
C703 CC45FSL1H10		CAP. (5 %		
				9.		- 70	(V.)	1
D1 1SS132		DIODE		* 1	÷ .	1 1		7
D2 1SS132		$D\ I\ O\ D\ E^{\scriptscriptstyle (i)}$	1 .		**		ta a s	
D3 NO USE			\$4.	A				
D4 1SS132		DIODE						
D5 1SS132		DIODE						
D6 1SS132		DIODE						
D7 MA700 D8 MA700		DIODE					t. a	
D8 MA700		DIODE						
D11 HSM88AS		DIODE						
D12 HSM88AS		DIODE				e in the second	e grandina.	1.3
		DIODE					e from School	\$ 4 -
D15 188132		DIODE					13/8	1.7
D16 1SS132		DIODE		4.1	- 1 × 3			2.3
D17 1SS132		DIODE					4.4	Č.
D18 1SS132		DIODE	X .	量 200			of some	\$400
D19 1SS132		DIODE						\$ 61
D20 NOUSE								e i i e
D21 1SS132		DIODE		4.3				
D22 HSM88AS		DIODE					100	
D23 HSM88AS	1	DIODE		V - 1		- B		111
D26 MA700		01000	*	Agin Agin				
D26 MA700 D27 MA700		DIODE		n d No			34.5 12.45	
DZI NAIVO		DIODE					. *	
D30 188132		DIODE	·	e go			ş 1	A \$ 4
D31 MA700		DIODE					in the second	4
D 3 2 M A 7 0 0		DIODE						. •
				S. 4.	r i			
D81 MA700		DIODE						
D82 MA700		DIODE		V N		\$ ¥	\$ 1 g	¥ } }
								w (

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X78 - 1080 - 00
        PARTS NO NAME & DESCRIPTION
 REF. NO
  D152
        MA700
                          DIODE
                          DIODE
         188132
  D301
                          WIRE ASS'Y
         E38-0449-05
  JW1
                          FERRI: INDUCTOR
                                            100UH
                                                    10%
        L40-1011-03
  L 2
                                            3 P
         E40-3238-05
                          PIN CONNECTOR
  P 1
         E40-3238-05
                          PIN CONNECTOR
                                            3 P
  P 2
                          PIN CONNECTOR
                                            50P
         E40-7209-05
  P 3
                                            40P
         E40-7035-05
                          SOCKET
  P 4
         NO USE
  P 5
                          PIN CONNECTOR
         E40-3241-05
                                            6 P
  P6
                          TR. SI, NPN
         2SC3354(S)
  Q 1
                          TR. SI, NPN
  02
         2SC3354(S)
                          TR. SI, NPN
  Q3
         2SC3779(D)
                          TR. SI, NPN
  Q4
         2SC3354(S)
                          TR. SI, NPN
         2SC3779(D)
  Q 5
                          TR. SI, PNP
  Q6
         2SA1206(K)
                          TR. SI, PNP
  07
         2SA1206(K)
                          FET, N-CHANNEL
  Q8
         2SK241(Y)
                          FET, N-CHANNEL
         2SK241(Y)
  Q9
                          TR. SI, NPN
  Q10
         2SC3354(S)
                          TR. SI, NPN
  Q11
         2SC2785(F)
                          TR. SI, NPN
  012
         2SC2785(F)
                          TR. SI, NPN
TR. SI, NPN
  013
         2SC3354(S)
         2SC3354(S)
  014
         2SC3354(S)
                          TR. SI, NPN
  Q15
                          TR. SI, NPN
  Q16
         2SC3779(D)
                          TR. SI, NPN
  Q17
         2SC3779(D)
                          TR. SI, PNP
  018
         2SA1206(K)
                          TR. SI, PNP
  Q19
        2SA1206(K)
                          FET, N-CHANNEL
         2SK241(Y)
  Q 2 0
                          FET, N-CHANNEL
  Q 2 1
         2 S K 2 4 1 (Y)
                          TR. SI, NPN
TR. SI, NPN
         2SC3354(S)
  Q 2 2
  023
        2SG2785 (F)
                          TR. SI, NPN
         2SC2785 (F)
  Q24
  Q52
         2SC3354(S)
                           TR. SI, NPN
                           TR. SI, PNP
         2SA1565
  Q303
                           FET, N-CHANNEL
  0601
         2SK583
                           FET, N-CHANNEL
  Q602
         2SK583
  Q701
        2SK583
                           FET, N-CHANNEL
        2SK583
                           FET, N-CHANNEL
  Q702
                                            51
                                                   5% 1/6W
         RD14BB2C510J
                           RES. CARBON
  R 1
                                            1 K
                           RES. CARBON
                                                   5 %
  R 2
         RD14BB2C102J
                           RES. CARBON
                                            100
                                                   5% 1/6W
  R 3
        @RD14BB2C101J
                                                   5% 1/6W
                           RES. CARBON
                                            1.6K
  R 4
         RD14BB2C162J
                                            1.6K5 5% 4 1/6W
                           RES. CARBON
  R 5
         RD14BB2C162J
                                                   5% 1/6W
   R 6
         RD14BB2C431J
                           RES. CARBON
                                             430
   R 7
         RD14BB2C512J
                           RES. CARBON
                                             5.1K
                                                   5% 1/6W
                           RES. METAL FILM 470 ...
                                                   1% 1/6W
        RN14BK2C4700F
   R 8
                                                      1/6W
                           RES. METAL FILM 470
                                                   1 %
         RN14BK2C4700F
   R 9
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		* *	*	P	A R T S	- L	I S T		* *
X78 - 108									Bed L
REF. NO	O PARTS	NO	N	AME	& DESCR	IPTION			
R 1 0	RD14BB2			CAF			5 %	1/6W	
R 1 1	NO USE		•			•	O /0	-,	•
R 1 2	RD14BB2		RES.	C & B	RAN	3 K	5 %	1/60	
R13	RD14BB2		RES.			39K		1/6W	
R 1 4	RD14BB2			CAR		1.1K			
R 15	RD14BB2		RES.			47		1/6W	
R 16	RD14BB2				BON	47	5 %	1/6W	
R 17	RD14BB2	C 2 0 2 J	RES.			2 K	5 %	1/6W	
R18	RD14BB2	C102J	RES.	CAR	BON	1 K	5 %	1/6W	
R 19	RD14BB2	C152J	RES.	C A R	RBON	1.5 K	5 %	1/6W	
R 2 0	RD14BB2	C471J			RBON	470	5 %		
R 2 1	NO USE	a .			1.84				
R 2 2	RD14BB2		RES.	CAR	RON	56	5 %	1/6W	
R 2 3	RD14BB2		RES.			100			
R 2 4	RD14BB2		RES.			100		1/6W	
R 2 5	RD14BB2				BON				
R 2 6	RD14BB2				RBON :				
R 2 7							• • •	•	
	RD14BB2				RBON				
R 28	RD14BB2	204703	RES.	CAR	RBON :	47	5 %	1/6W	
					ž ž				
R 3 1	RD14BB2				RBON		5%		\$ - }
R 3 2	RD14BB2				RBON				
R 3 3	RD14BB2	2C101J	RES.	CAR	RBON	100	5 %	1/6W	
R 3 4	RD14BB2	C162J	RES.	CAR	BON	1.6K			
R 3 5	RD14BB2	C162J	RES.	CAR	RBON ?				1 0
R36	RD14BB2				R B O N	430			
R37	RD14BB2	C512J	RES.	CAR	BON				
R38	RN14BK2	C4700F	RES	MET	AL FILM	470	1%	1 / R W	
R 3 9	RN14BK2	C4700F	RES	MFT	TAL FILM	470	1%	1 / 6 W	2 d
R 4 0	RD14BB2				RBON			1/6W	20 14 20 14
R 4 1	NO USE		K D D .	OAN	LDON	L 1 0	U /g	1 / O W	
R 4 2		2C302J	DEC	CAD	D D O M	3 K - =	5 %	to the Di	**
R 4 3		C393J			RBON				
R 4 4	RD14BB2					39K		1/6W	la .
R 4 5					RBON	1.1K		•	
	RD14BB2				BON	47	5%	1/6W	
R 4 6	RD14BB2				BON	47	5 %	1:/6W	4 1 1
R 4 7	RD14BB2				RBON # "	2 K	5 %	1/6W	\$ 3.74
R 4 8	RD14BB2				R B O N A A	1 K			8,841
R 4 9	RD14BB2				R B O N	1.5K		1/6W	
R 5 0	RD14BB2		RES.	CAR		470		1/6W	
R 5 1	NO USE		7.		\$ 7		$f(f(t)) \in \mathcal{F}_{\epsilon}$		\$ 70
R 5 2	RD14BB2		RES.	CAR	BON	56	5 %	1/6W	
R 5 3	RD14BB2		RES.	CAR	BON	100	5 %	L/6W	8.61%
R 5 4	RD14BB2	C101J	RES.	CAR	BON	100	5%	L/6W	
R 5 5	RD14BB2	C101J	RES.	CAR	BON	100	5%	1/6W	1881
R 5 6	RD14BB2	C680J			BON	68	5 %		31.84
R 5 7	RD14BB2	C122J	RES	CAR	RON	1.2K		L/6W	
R 58	RD14BB2	C470J	RES.	CAR		47	5%		1001
R 5 9	RD14BB2	C302.I	RES.	CAR	BON	3 K	5%	-	
	NO USE			0		O II	<i>U</i> /6	., .,	
R 6 1	RD14RR2	C162J ~	RFC	CAD	RON	1.6K	. д 0 / ч. ч	1 / 6 13	I / "
R 6 2	RD14RR9	C162J C222J	BEC.	CVD	E NOGE	0 : 0 1/2 T : O IV			
R63	RD14BB2	(2 0 0 T ·	DEC VEQ*		יין איט פּי איט פּי				j t
R 6 4	RN14BK2	C1001F	NED.	CHE	BONE	3 K	ο% . • ν	1/6W	9.3
R65		COOOT	nES.	ur!	ALFILM	T.V.	1 %	76W	# #
R66	RD14BB2		urs.	CAR	BON	2.2K	Э %]	1/6W	100
			חדים		DOM:	11/5			9 1
R68	V D T 4 D D C	C162J	KES.	CAR					11
	V N T 4 B B Z	C222J	KES.	CAR		2.2K			4.3
R 6 9	. rv14BB2	C822J	KES.	CAR	RON	8.2K	5%	1/6W	Ç. Ş

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X l	r E	s – E F	. :	0-8-0 N O		P	A	R	T	S																																				
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		7			r R																				1 E	n E T	D		īÄ	F	1	L	M	2	ĸ	۷	v						1			
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		7			R	D	1	4	В	B	2	C:	1 () : 1	U	[[Ř	E	S	•	($\sum_{i} I_{i}$	AR AR	B	0	N					1	0	0				5 5	y Ko: Y		1	1	6 6	W W
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		8 8			R	D	1	4	В	В	2	C :	1 () ;	2 .	Ī	(R						A R																	1			
	ł	8 8	2		K	D	1	4	R	B	Z	U .	1 () i	2 ປ	Jir	3			K	E	5	٠	(υİ	A R	B	U	N					1	N				. [D)	ю	-	1	/	О	W
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		R 1													0]																			4									1			
]	R 1	7	6	R	D	1	4	В	В	2	C	4 '	7	2.	J				R	E	S	•			A F								4					. !	5 '	% %		1	1	6	W
		R 1 R 1			R	D	1	4	B	B	2	C	4 '	7	2. 2.	J T				-R	E F	S	•		C∵. C∵.	A F	? B	3 O	N					4						5 5	% %		1	1	6 6	W
		R 1			R	D	1	4	В	В	2	C	4	7	2.	J				R	E	S			C.	A F	RE	3 C) N			٠		4		7	K	١.		5	л %		1	/	6	W
]	R 1	8	0		N	0		U	S	E																													_	n/			,	^	
		R 1 R 1													2.											A I A I								4			K			ნ 5	% %		1	1	6	W
		n 1 R 1			R R R	D	1	4	В	В	2	C	1	8	2.	J				R	E	S			C.	A I	RE	3 () N					1		8	K			5	%		1	1	6	W
		R 1	8	4	R	D	1	4	В	В	2	C	1	0	1.	J				R						ΑI								1	. 0	0							1			
		R 1 R 1		5 6	R	IJ	- 1	-4	D	·D	4	v	1	v	Δ,	J				11						A I A I]	. K	6	K									W W
		R 1	. 8	7	R	D	1	4	В	В	2	C	1	0	3,	J				R	E	Ś			C	ÁΙ	R E	3 () N]	. 0	K				5	%		- 1	1	6	W
		R 1	. 8	8	R	D	1	4	В	В	2	С	1	0	2.	J]												W
		R 1 R 1		9 0	R	ו חי	1	4	: B	: B	2	C	1	1	2 . 2	J										A 1 A 1											ĸ									W
				1																						A l																				W
		R I	9	2	R	D	1	4	B	B	2	С	1	3	2	J										A l																				W
		R I													3 3											A I															% %					W
		R I R I													2											A I											١.				%					W
		R			F	l I	1	4	l E	B	2	C	1	0	2	J										A I															%					W
				7											1 3											A I). (% %					W
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				0	F	R)]	4	l E	3 B	3 2	C	2	2	3	J	4			I	R E	S	٠,			A								;	2 2	2 1	(5	%		1	. /	6	W
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) 6) 7																						A A									1 ' 1 .	<i>i</i> i	1 F	ζ.		5	%			L /	/ 6	, w
				8 (Ì	RI)	1 4	1 I	B E	3 2	2 C	, 4	7	1	J	į]	R I	3 3			C	A	R	В	0	N					4 ′	7 ()			5	%			l /	6	5 W
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		R :	2 1	0	I	ίI)]	1 4	1 F	3 E	3 2	s C	9	1	1	J						3.8	;		C	A	K.	B	U I	N					9 :	Ι()						1			W
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				4																											÷				1 () [ζ.			5	%		-]	L/	6	W
		K	2 4	15]	۲ĺ) .	i 4	1	s E	3 2	s C	. 1	0	3	J]	Κl	٤	٠.		Ü	A	K	R	U I	N					Τ (J	\			อ	<i>%</i>			. /	6	W

X78-108			
		NAME & DESCRIPTION	1000
R 2 4 6			
R 2 4 7	RD14BB2C103J		1 1 1
R 2 4 8	NO USE	RES. CARBON 18K 5% 1/6W	
R 2 4 9	RD14BB2C183J		1000年 (1000年) 1200年 (1000年)
R 2 5 0		= 0/ 4/01	
R 2 5 1	RD14BB2C103J	RES. CARDON, 10h 0hg 170h	
D 0 E 4	RD14BB2C222J	RES. CARBON 2.2K 5% 1/6W	* *
R 2 5 4 R 2 5 5	RD14BB2C222J	RES. CARBON 2.2K 5% 1/6W	
N Z 3 3	W D I 4 D D E C E E E		,
R 2 5 8	RD14BB2C392J	RES. CARBON 3.9K 5% 1/6W	4.4.8
R 2 5 9	RD14BB2C101J		1.4
R 3 0 1	RD14BB2C152J		
R 3 0 2	RD14BB2C102J		
R 3 0 3	RD14BB2C103J	RES. CARBON 10K 5% 1/6W	
	nn	RES. CARBON 68 5% 1/6W	
R331	RD14BB2C680J	RES. CARBON 68 5% 1/6W	
R332	NO USE	RES. CARBON 68 5% 1/6W	
R333	KD14DD2C00VJ	RES. ORREOR OF TWO TAXABLE	
R372	RD14RB2C683J	RES. CARBON 68K 5% 1/6W	
R373	NO USE		
R374		RES. CARBON 68K 5% 1/6W	
R 6 0 1	RD14BB2C393J		19 4
R602	R D 1 4 B B 2 C 2 O 2 J		\$ \$ E
R603	RD14BB2C105J	RES. CARBON 1M 5% 1/6W	
	n D I I D D D O I O O		
R 6 0 4	RD14BB2C102J		11.74
R 6 0 4	R D 1 4 B B 2 C 1 0 2 J	RES. CARBON 1K 5% 1/6W	1.5
R 6 0 4	RD14BB2C102J RD14BB2C393J	RES. CARBON 1K 5% 1/6W	ja n men
R 6 0 4 R 7 0 1 R 7 0 2	RD14BB2C102J RD14BB2C393J RD14BB2C202J	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W	
R 6 0 4 R 7 0 1 R 7 0 2	RD14BB2C102J RD14BB2C393J RD14BB2C202J	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC,A/D CONVERTER	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM	(1) (1) (1) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, S-RAM	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35 CXD1175AP HD74HC157FP	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, A/D CONVERTER IC, QUAD. 2-1 DATA SELECT./MPX	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35 CXD1175AP HD74HC157FP HD74HC157FP	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, A/D CONVERTER IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX	
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35 CXD1175AP HD74HC157FP HD74HC157FP HD74HC157FP	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX	(1) (1) (1) (1) (2) (2) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
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R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35 CXD1175AP HD74HC157FP HD74HC157FP HD74HC157FP HD74HC157FP	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX	· 《新文·新聞名·李曹·李曹·李曹·李曹·李明 《《文·安明文·《文·明明卷》《高·明明 《《文·文·文·李·李章·李明》《《《《《《《《《《《《《》》》》。《《《《《》》》。《《《《》》》。《《《
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5 U 1 6 U 1 7 U 1 8	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35 CXD1175AP HD74HC157FP HD74HC157FP HD74HC157FP CXK5863P-35 CXK5863P-35	RES. CARBON 1K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, S-RAM IC, S-RAM IC, S-RAM IC, 3-8 DECOD./DE-MPX IC, QUAD 2-INPUT AND GATE	· 不管 医骨头 医葡萄状状 医骨头 医糖糖素 医甲基甲氏试验检尿病 医二甲基苯甲基 医甲基苯酚 医甲基苯酚 医甲基苯甲基苯酚 医克里氏征 医电子性电子 医神经性 化二氯甲基甲酚 化二氯甲基甲酚
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5 U 1 6 U 1 7 U 1 8 U 1 9	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35 CXD1175AP HD74HC157FP HD74HC157FP HD74HC157FP CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 NO USE	RES. CARBON 1K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, S-RAM IC, S-RAM IC, S-RAM IC, 3-8 DECOD./DE-MPX IC, QUAD 2-INPUT AND GATE	· 不知,如此,不知,不知,如此,如此,如此,如此,如此,不知,不知,不知,如此,不知,如此,不知,如此,不知,如此,如此,如此,如此,如此,如此,如此,如此,如此,如此,如此,如此,如此,
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5 U 1 6 U 1 7 U 1 8 U 1 9 U 2 0	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35 CXD1175AP HD74HC157FP HD74HC157FP HD74HC157FP HD74HC157FP CXK5863P-35 CXK5863P-35 CXK5863P-35 HD74HC138FP SN74AS08N NO USE DTM6010	RES. CARBON 1K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, S-RAM IC, S-RAM IC, S-RAM IC, S-RAM IC, 3-8 DECOD./DE-MPX IC, QUAD 2-INPUT AND GATE IC, GATE ARRAY	《《新文·新闻表》:"曹操《《新闻》:"曹操《新闻》:"曹操《《《新闻》:"曹操《《《新闻》:"《《新闻》:"《《《新闻》:"《《《《《《《《《》》:"《《《《》》:"《《《《》》:"《《《》》:"《《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《《》》:"《《》》:"《《《》》:"《《《》》:"《《《》》:"《《》》:"《《》》:"《《》》:"《《》《《》》:"《《《》 《《》》:"《《》》:"《》:"《》:"《》:"《》:"《》:"《《》:"《
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5 U 1 6 U 1 7 U 1 8 U 1 9 U 2 0 U 2 1	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35 CXD1175AP HD74HC157FP HD74HC157FP HD74HC157FP CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35	RES. CARBON 1K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, S-RAM IC, S-RAM IC, S-RAM IC, S-RAM IC, S-RAM IC, 3-8 DECOD. / DE-MPX IC, QUAD 2-INPUT AND GATE IC, GATE ARRAY IC, DUAL D-F. F. (WITH PR & CLR)	《《新文·新闻表》:"曹操《《新闻》:"曹操《《《《·李·李·李·李·李·李·李·李·李·李·李·李·李·李·李·李·李·
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5 U 1 6 U 1 7 U 1 8 U 1 9 U 2 0 U 2 1 U 2 2	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35	RES. CARBON 1K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, S-RAM IC, S-RAM IC, S-RAM IC, S-RAM IC, S-RAM IC, 3-8 DECOD. / DE-MPX IC, QUAD 2-INPUT AND GATE IC, GATE ARRAY IC, DUAL D-F. F. (WITH PR & CLR) IC, DUAL D-F. F. (WITH PR & CLR)	《《新文·春春·春春·春春·春春·春春·春春·春春·春春·春春·春春·春春·春春·春春
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5 U 1 6 U 1 7 U 1 8 U 1 9 U 2 0 U 2 1 U 2 2 U 2 3	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 CXK5863P-35 N74HC138FP SN74AS08N NO USE DTM6010 SN74AS74N SN74AS74N SN74AS04N	RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, S-RAM	《《新文·新闻表》:"曹操《《新闻》:"曹操《《《《·李·李·李·李·李·李·李·李·李·李·李·李·李·李·李·李·李·
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5 U 1 6 U 1 7 U 1 8 U 1 9 U 2 0 U 2 1 U 2 2 U 2 3 U 2 4	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35	RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, QUAD. 2-1 DATA SELECT./MPX IC, S-RAM I	· 《新文·高·春文·李·蒙·春·《· · · · · · · · · · · · · · · · · ·
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5 U 1 6 U 1 7 U 1 8 U 1 9 U 2 0 U 2 1 U 2 2 U 2 3 U 2 4 U 2 5	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, S-RAM IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, QUAD. 2-1 DATA SELECT. / MPX IC, S-RAM	· 《新文·高·登名·李·曹传·《蔡·传·李·蒙·传·春·诗·诗·传·传·《《·························
R 6 0 4 R 7 0 1 R 7 0 2 R 7 0 3 R 7 0 4 U 1 U 2 U 6 U 7 U 1 0 U 1 1 U 1 2 U 1 3 U 1 4 U 1 5 U 1 6 U 1 7 U 1 8 U 1 9 U 2 0 U 2 1 U 2 2 U 2 3 U 2 4	RD14BB2C102J RD14BB2C393J RD14BB2C202J RD14BB2C105J RD14BB2C102J CXD1175AP DTM6010 CXK5863P-35	RES. CARBON 1K 5% 1/6W RES. CARBON 39K 5% 1/6W RES. CARBON 2K 5% 1/6W RES. CARBON 1M 5% 1/6W RES. CARBON 1K 5% 1/6W IC, A/D CONVERTER IC, GATE ARRAY IC, S-RAM IC, QUAD. 2-1 DATA SELECT. / MPX IC, S-RAM IC,	· 《新文·高·春文·李·蒙·春·《· · · · · · · · · · · · · · · · · ·

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X78 - 1080 - 00
                             NAME & DESCRIPTION
 REF. NO
         PARTS NO
  U48
        HD74HC244FP
                          IC, OCTAL BUS BUFFER
                          IC, OCTAL BUS BUFFER
  U49
        HD74HC244FP
  U 5 0
         NO USE
                          IC, HEX INVERTERS
        SN74AS04N
  U 5 1
                          IC, QUAD 2-INPUT AND GATE
  U 5 2
        HD74HC08FP
                          IC, DUAL J-K F. F. (WITH PR&CLR)
        HD74HC112FP
  U 5.3
                          IC, OCTAL 3-S BUS TRANSCEIVER
        HD74HC245FP
  U54
                          IC, S-RAM
  U55
        MB8464-10LL-FP
                          IC, QUAD. 2-1 DATA SELECT. / MPX
        HD74HC157FP
  U56
                          IC, QUAD. 2-1 DATA SELECT. / MPX
  U57
        HD74HC157FP
        HD74HC157FP
                          IC, QUAD. 2-1 DATA SELECT. / MPX
  U58
                          IC, DUAL 4-1 DATA SELECT. / MPX
        HD74HC153FP
  U 59
                          IC, 12-BIT BINARY COUNTER
        HD74HC4040FP
  U60
                          IC, QUAD. 2-1 DATA SELECT. / MPX
  U61
        HD74HC157FP
                          IC,8-BIT REGISTER BINARY COUNT
  U62
        HD74HC592FP
                          IC,8-BIT REGISTER BINARY COUNT
         HD74HC592FP
  U63
                          IC, SYNC. 4-BIT COUNTER
  U64
         HD74HC161FP
                          IC, DUAL J-K F.F. (WITH PR&CLR)
  1165
        HD74HC112FP
                          IC, OCTAL D-F. F. (3-S)
  V66
        HD74HC574FP
                          IC, DUAL 4-CH ANALOG MPX/DE-MPX
  U 67
         HD14052BFP
                          IC, DUAL 2-4: DECOD. / DE-MPX
         HD74HC139FP
  U68
                          IC, DUAL J-K F.F. (WITH PR&CLR)
  U69
         HD74HC112FP
                          IC,OCTAL D-F.F. (3-S)
  U70
         HD74HC574FP
                          IC, 8-BIT D/A CONVERTER
  U71
         DACOSOOLCN
                          IC, OCTAL D-F.F. (3-S)
  U72
         HD74HC574FP
                          IC,OCTAL D-F.F. (3-S)
  U73
         HD74HC574FP
                          IC, OCTAL D-F. F. (3-S)
  U74
         HD74HC574FP
         AM6012DC
                          IC, 12-BIT D/A CONVERTER
  U75
                          IC, QUAD. 2-OR
         HD74HC32FP
  U76
                          IC, DUAL J-FET INPUT OP-AMP
  U77
         NJM072M
                          IC, DUAL J-FET INPUT OP-AMP
         NJM072M
  U78
                          IC, OCTAL D-F.F. (3-S)
  U79
         HD74HC574FP
                          IC, DUAL OP-AMP
  U80
         NJM4558M
         HD74HC574FP
                          IC,OCTAL D-F.F. (3-S)
  U81
                           IC, TRIPLE 2CH ANALOG MPX/DE-MP
         HD14053BFP
  U110
                           IC, DUAL OP-AMP
         NJM4558M
  U151
         R12-0580-05
                          RES. SEMI FIXED 500 B
         R12-2523-05
                           RES. SEMI FIXED 5KB
                           RES. SEMI FIXED 5KB
  V R 7
         R12-2523-05
                           RES. SEMI FIXED 10KB
  V R 8
         R12-3551-05
                           RES. SEMI FIXED 5KB
  VR14
         R12-2523-05
   VR15
          NO USE
   VR16
         R12-2523-05
                           RES. SEMI FIXED 5KB
                           RES. SEMI FIXED 50K
   VR63
         R12-4517-05
                           RES. SEMI FIXED 50K
   VR69
         R12-4517-05
                           RES. SEMI FIXED 20KB
   VR601 R12-3552-05
                           RES. SEMI FIXED 50KB
   VR602 R12-4518-05
                           RES. SEMI FIXED 20KB
   VR701 R12-3552-05
   VR702 R12-4518-05
                           RES. SEMÍ FIXED 50KB
```

FINAL		T	* *	*		P	A	R	T S		L	I S	S T		* *
C 1 C 2 C 3 C 4	PART F01-0 F01-0 J25-5 N09-0 R92-0 CK45F CK45F CC45F	S NO 859-14 860-04 183-22 626-04 150-05 1H103Z 1H103Z SL1H221 CH1H030	J	HI PO SO JI C	EAT EAT CB (SI UN, SNG CE CE	NK NK MO EM RA RA	UN S ES MI MI	C C C	M3X ZER 0.0 0.0	1 0 0 1	O H 1	1 (10	MM) 50V 50V 50V	李书 李子 《 · · · · · · · · · · · · · · · · · · ·
C 5 C 6 C 7	CK45F	SE 1H103Z W1C330M			AP. AP.		EC			0.0 33		2 () %	50V 16V	3 Hg
C 1 3 C 1 4		E 2 H 4 7 2 P E 2 H 4 7 2 P			AP.	CE	RA			470 470	0 P			500V 500V	
C 2 1	CK45F CK45F CK45F	1 H 1 0 3 Z 1 H 1 0 3 Z		C . C .	AP. AP. AP. AP.	C E	RA RA	M I M I M I	C C C	0.0 0.0 0.0 0.0	1 1 1			50V 50V 50V	
C 2 9 C 3 0 C 3 1 C 3 2 C 3 3	CC45F CC45F CK45B CK45B CQ92F CQ92F	232-05 CH2H010 CH2H010 2H472K 2H472K M1H104K M1H104K 1H103Z	C C	C C C C C C	AP. AP. AP. AP.	CE CE CE MY MY	RA RA RA LA LA	MI MI MI MI	C	1 P 1 P 4 7 0 4 7 0 0 . 1	0 P 0 P	0.2 0.2 10 10	25P 25P 0% 0%	50V 500V 500V 500V 500V 50V	
C 3 9 C 4 0 C 4 1	NO U	1 H 1 O 3 Z S E 1 H 1 O 3 Z			AP.			MI		0.0				5 0 V 5 0 V	
C 4 6 C 4 7 C 4 8 C 4 9 C 5 0 C 5 1 C 5 2 C 5 3	CE04E CE04W CK45F CE04E CE04E CK45F CK45F NO U	W1C471M W1C471M W2A470M 2C100M E2H472P W0J682M W0J682M 1H103Z 1H103Z SE SL1H471		C C C C C C	AP. AP. AP. AP.	EL EL CE EL CE	EC ERA EC ERA ERA	TR TR TR TR TR	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	470 47 10 470 680 680	0 P 0 0 1	2 (2 (2 (2 (2 (2 (2 (3 (2 (3 (2 (3 (3 (3 (3 (3 (3 (3 (3 (3 (3	0 % 0 % 0 %		
C58 C59 C60 C61	CC45F NO U	M 1 H 1 O 4 K C H 1 H 4 7 O S E C H 1 H 2 2 O	J	C	AP.	M Y C E	L A	R MI		0.1 47F	• • •	1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0 % %	5 0 V 5 0 V	
	CC45F CQ92M	CH1H050 CH1H150 1H104K L1H471J	J	C	AP. AP. AP.	C E	RA LA Era	MI R MI	C	15F 0.1 470	P	5 ! 1 ! 5 !	% 0 % %	50V 50V 50V 50V	
		H 1 H 2 2 O J W 1 C 2 2 O M			АР. АР.	C E	ERA		С	22F 22	;		%	50V 16V	

```
X80-1090-02
 REF. NO
         PARTS NO
                             NAME & DESCRIPTION
  C912
         CE04EW1C220M
                           CAP. ELECTRO
                                             22
                                                    20% 16V
  C913
         CK45B1H472K
                           CAP. CERANIC
                                             4700P 10% 50V
  C914
         CC45CH1H020C
                           CAP. CERANIC
                                             2 P
                                                   0.25P 50V
  C923
         CK45B1H472K
                           CAP. CERAMIC
                                              4700P 10%
                                                          50 V
  D 1
         MA700
                           DIODE
  D 2
         MA700
                           DIODE
  D3
         MA700
                           DIODE
  D 4
         1SS132
                           DIODE
  D 5
         MA700
                           DIODE
  D6
         MA700
                           DIODE
  D7
         1SS132
                           DIODE
  D 8
         1 S S 1 3 2
                           DIODE
  D 9
          NO USE
         155132
  D 1 0
                           DIODE
  D 1 1
         MA700
                           DIODE
          NO USE
  D12
  D13
         1 S S 1 3 2
                           DIODE
  D14
         1SS132
                           DIODE
  D15
         188132
                           DIODE
  D16
         1SS132
                           DIODE
  D17
         1SS132
                           DIODE
  D18
         1SS132
                           DIODE
  D 19
         188132
                           DIODE
  D 2 0
         188132
                           DIODE
  D901
         1SS132
                           DIODE
  D902
         1SS132
                           DIODE
  D903
         MA700
                           DIODE
  J250
         E40-0318-05
                           PIN CONNECTOR
                                             3 P
  J260
         E40-0318-05
                           PIN CONNECTOR
                                              3 P
         L40-1292-70
                           FERRI INDUCTOR
                                             1.2UH
  1.1
                                                     10%
         L40-6882-70
  L 2
                           FERRI INDUCTOR
                                             0.68UH 20%
  L3
         L40-6882-70
                           FERRI INDUCTOR
                                              0.68UH 20%
         L40-1292-70
  L 4
                           FERRI INDUCTOR
                                              1.2UH
                                                      10%
  P 8
         E40-3238-05
                           PIN CONNECTOR
                                              3 P
  P 2 4
         E40-3243-05
                           PIN CONNECTOR
                                              8 P
  P41
         E40-3241-05
                           PIN CONNECTOR
                                             6 P
  P42
         E40-3238-05
                           PIN CONNECTOR
                                              3 P
  P43
         E40-3238-05
                           PIN CONNECTOR
                                              3 P
  P 2 5 0
         E40-0311-05
                           PIN CONNECTOR
                                              3 P
  P 260
        E40-0311-05
                           PIN CONNECTOR
                                              3 P
  Q 1
         2SA1206(K)
                           TR.
                               SI, PNP
  Q2
         2SA1206(K)
                           TR. SI, PNP
                           TR. SI, NPN
  Q3
         2SC3354(S)
  Q4
         2SC3354(S)
                           TR. SI, NPN
  Q 5
                           TR. SI, NPN
         2SC3354(S)
                           TR. SI, NPN
  Q6
         2SC3354(S)
  Q7
         2SC3354(S)
                           TRASI, NPN
```

```
P A R T S
                                              LIST
X80 - 1090 - 02
                             NAME & DESCRIPTIONS
 REF. NO
         PARTS NO
                          TR. SI, NPN
  Q8
        2SC3354(S)
                             SI, NPN
        2SC3354(S)
                          TR.
  Q9
                          TR. SI, NPN
        2SC3354(S)
  Q10
                          TR. SI, NPN
        2SC3779(D)
  011
         NO USE
  Q12
                          TR.
                              SI, NPN
        2SC3779(D)
  Q13
  Q14
         NO USE
                          TR. SI, NPN
  Q15
        2SC3596(E)
        2SC3596(E)
                          TR. SI, NPN
  Q16
        2SC3315(D)
                          TR. SI, NPN
  Q17
                          TR. SI, NPN
  Q18
        2SC3315(D)
                          TR. SI, PNP
         2SA1005(K)
  019
                          TR. SI, PNP
  Q20
         2SA1005(K)
                          TR. SI, NPN
  Q23
         2SC2785(F)
                          TR. SI, NPN
         2SC2785(F)
  Q 2 4
                          TR. SI, NPN
  Q 2 5
         2SC3354(S)
                          TR. SI, NPN
  Q26
         2SC3354(S)
         2SC3354(S)
                          TR. SI, NPN
  Q27
                          TR. SI, NPN
         2SC3354(S)
  Q28
                          TR. SI, PNP
  Q29
         2SA1175(F)
                          TR. SI, PNP
  030
         2SA1175(F)
  Q31
         2SC2785(F)
                          TR. SI, NPN
                          TR. SI, NPN
         2SC2785(F)
  Q32
                          TR. SI, NPN
  Q33
         2SC3354(S)
                          TR. SI, NPN
  Q34
         2SC3354(S)
                          TR. SI, NPN
  Q35
         2SC3354(S)
                          TR. SI, NPN
         2SC3354(S)
  Q36
                          TR. SI, NPN
         2SC2911(S)
  Q37
                          TR. SI, PNP
         2SA1209(S)
  Q38
                          TR. SI, NPN
  Q39
         2SC2911(S)
                          TR. SI, PNP
         2SA1209(S)
  Q40
  Q41
          NO USE
                          TR. SI, PNP
  Q42
         2SA1005(K)
                          TR. SI, PNP
  Q43
         2SA1005(K)
                          TR. SI, NPN
  Q44
         2SC2786(K)
                          TR. SI, NPN
  Q45
         2SC2786(K)
  Q46
          NOUSE
                          TR. SI, NPN
   047
         2SC3315(D)
   Q48
         2SC3315(D)
                          TR. SI, NPN
                          TR. SI, NPN
         2SC2785(F)
   Q49
                          TR. SI, PNP
   Q50
         2SA1005(K)
                          TR. SI, NPN
   Q51
         2SC2785(F)
                          TR. SI, NPN
   Q901
         2SC2785(F)
                          RES. METAL FILM 100% 41%
                                                      1/6W
   R 1
         RN14BK2C1000F
                          RES. METAL FILM 100 1%
                                                       1/6W
   R 2
         RN14BK2C1000F
                                                      1/6W
                           RES. CARBON
                                            47 5%
   R 3
         RD14BB2C470J
                                                       1/6W
                           RES. CARBON
                                            47
                                                  5 %
   R 4
         RD14BB2C470J
                                                      1/6W
                           RES. CARBON
                                            750 5%
   R 5
         RD14BB2C751J
                           RES. METAL FILM 1.5K
                                                       1/6W
                                                 1 %
   R 6
         RN14BK2C1501F
                           RES. METAL FILM 1.5K 3 1%
                                                      1/6W
   R 7
         RN14BK2C1501F
                           RES. CARBON
                                                      1/6W
                                            100 5%
         RD14BB2C101J
   R 8
                                            2.2K 5%
                                                       1/6W
                           RES. CARBONA
   R 9
         RD14BB2C222J
                                                       1/6W
                                            100 5%
                           RES. CARBON
   R 1 0
         RD14BB2C101J
                                                       1/6W
                                            2.2K 5%
   R 1 1
         RD14BB2C222J
                           RES. CARBONS
                                                  5 %
                           RES. CARBON
                                                       1/6W
         RD14BB2C470J
                                            47
   R12
                           RES. CARBON
                                            47
                                                  5 %
                                                       1/6W
   R 13
         RD14BB2C470J
```

REF. NO PARTS NO R14 RD14BB2E470J RES. CARBON 47 5% 1/4W R15 RD14BB2E470J RES. CARBON 47 5% 1/4W R16 RD14BB2E470J RES. CARBON 47 5% 1/4W R17 RD14BB2C432J RES. CARBON 4.3K 5% 1/6W R17 RD14BB2C432J RES. CARBON 4.3K 5% 1/6W R18 RD14BB2C201J RES. CARBON 200 5% 1/6W R19 RD14BB2C201J RES. CARBON 200 5% 1/6W R20 RN14BB2C622J RES. CARBON 200 5% 1/6W R21 RD14BB2C622J RES. CARBON 200 5% 1/6W R22 RD14BB2C622J RES. CARBON 6.2K 5% 1/6W R22 RD14BB2C622J RES. CARBON 6.2K 5% 1/6W R22 RD14BB2C622J RES. CARBON 6.2K 5% 1/6W R23 RD14BB2C101J RES. CARBON 6.2K 5% 1/6W R25 RD14BB2C101J RES. CARBON 100 5% 1/6W R26 RN14BK2C8200F RES. METAL FILM 820 1% 1/6W R27 RN14BK2C1001F RES. CARBON 100 5% 1/6W R29 RN14BK2C1001F RES. CARBON 100 5% 1/6W R30 RD14BB2C101J RES. CARBON 100 5% 1/6W R31 RD14BB2C222J RES. CARBON 100 5% 1/6W R32 RD14BB2C22J RES. CARBON 100 5% 1/6W R33 RD14BB2C22DJ RES. CARBON 2.2K 5% 1/6W R33 RD14BB2C470J RES. CARBON 2.2K 5% 1/6W R34 NO USE R35 RD14BB2C470J RES. CARBON 47 5% 1/6W R36 NO USE R37 RN14BK2E62ROF RES. METAL FILM 62.0 1% 1/4W R38 RD14BB2C470J RES. CARBON 47 5% 1/6W R38 RD14BB2C470J RES. CARBON 47 5% 1/6W R38 RD14BB2C470J RES. CARBON 620 5% 1/6W R39 RD14BB2C430J RES. CARBON 620 5% 1/6W R42 RD14BB2C681J RES. CARBON 620 5% 1/6W R43 RD14BB2C430J RES. CARBON 620 5% 1/6W R44 RD14BB2C681J RES. CARBON 620 5% 1/6W R45 RD14BB2C681J RES. CARBON 620 5% 1/6W R48 RD14BB2C681J RES. CARBON 620 5% 1/6W R49 RD14BB2C681J RES. CARBON 620 5% 1/6W R40 RD14BB2C470J RES. CARBON 620 5% 1/6W R41 RD14BB2C470J RES. CARBON 620 5% 1/6W R42 RD14BB2C470J RES. CARBON 620 5% 1/6W R43 RD14BB2C470J RES. CARBON 620 5% 1/6W R44 RD14BB2C470J RES. CARBON 620 5% 1/6W R53 RD14BB2C470J RES. CARBON 620 5% 1/6W R54 RD14BB2C470J RES. CARBON 620 5% 1/6W R55 RD14BB2C470J RES. CARBON 620 5% 1/6W R56 RD14BB2C470J RES. CARBON 620 5% 1/6W R57 RD14BB2C470J RES. CARBON 620 5% 1/6W R58 RD14BB2C470J RES. CARBON 620 5% 1/6W R58 RD14BB2C470J RES. CARBON 620 5% 1/6W R57 RD14BB2C470J RES. CARBON 620 5% 1/6W R58 RD14BB2C470J RES. CARBON 620 5% 1/6W R57 RD14BB2C470J RES. CAR			* * *	P A R T S	LIST
R25 RD14BB2C8200F RES. METAL FILM 820 1 1% 1/6W R27 RN14BK2C1001F RES. METAL FILM 1K 1% 1/6W R28 RD14BB2C101J RES. CARBON 100 5% 1/6W R30 RD14BB2C101J RES. CARBON 100 5% 1/6W R31 RD14BB2C22J RES. CARBON 2.2K 5% 1/6W R31 RD14BB2C22J RES. CARBON 2.2K 5% 1/6W R31 RD14BB2C470J RES. CARBON 47 5% 1/6W R34 NO USE R35 RD14BB2C470J RES. CARBON 47 5% 1/6W R36 NO USE R37 RN14BK2E62ROF RES. METAL FILM 62.0 1% 1/4W R38 RD14BB2C470J RES. CARBON 620 5% 1/6W R39 RD14BB2C621J RES. CARBON 620 5% 1/6W R39 RD14BB2C621J RES. CARBON 620 5% 1/6W R39 RD14BB2C631J RES. CARBON 620 5% 1/6W R42 RD14BB2C631J RES. CARBON 620 5% 1/6W R48 RD14BB2C631J RES. CARBON 620 5% 1/6W R50 NO USE R51 R62-1411-05 RES. SPR5L30 1.2K 5% 5W R52 R92-1412-05 RES. SPR5L30 1.2K 5% 5W R53 R92-1412-05 RES. SPR5L30 1.2K 5% 5W R53 R92-1412-05 RES. SPR5L30 1.2K 5% 5W R54 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R55 R92-1412-05 RES. SPR5L30 1.2K 5% 5W R54 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R55 R92-1412-05 RES. SPR5L30 1.2K 5% 5W R56 R914BB2C472J RES. CARBON 4.7K 5% 1/6W R78 R014BB2C472J RES. CARBON 4.7K 5% 1/6W R84 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R84 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R87 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R89 RN14BK2C5600F RES. METAL FILM 560 1% 1/6W R91 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R92 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R93 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R93 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R94 RN14BB2C470J RES. CARBON 560 5% 1/6W R95 RN14BK2C45600F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BB2C4301F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BB2C4301F	REF.NO R14 R15 R16 R17 R18 R19 R20 R21 R22	PARTS NO RD14BB2E47 RD14BB2E47 RD14BB2C43 RD14BB2C43 RD14BB2C20 RD14BB2C20 RN14BB2C20 RN14BB2C66	0 J RES. 2 J RES. 3 2 J RES. 3 2 J RES. 1 J RES. 1 J RES. 2 1 J RES. 2 2 J RES. 2 2 J RES.	CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON	47 5% 1/4W 47 5% 1/6W 4.3K 5% 1/6W 200 5% 1/6W 200 5% 1/6W 1.6K 1% 1/6W 6.2K 5% 1/6W
R35 RD14BB2C470J RES. CARBON 47 5% 1/6W R36 NO USE R37 RN14BK2E62R0F RES. METAL FILM 62.0 1% 1/4W R39 RD14BB2C621J RES. CARBON 620 5% 1/6W R42 RD14BB2C631J RES. CARBON 620 5% 1/6W R49 RD14BB2C681J RES. CARBON 680 5% 1/6W R51 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R52 R92-1412-05 RES. SPR5L30 1.2K 5% 5W R53 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R54 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R55 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R54 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R55 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R55 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R56 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R57 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R58 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R58 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R59 RD14BB2C472J RES. CARBON 100 5% 1/6W R79 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R81 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R81 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R82 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R83 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R84 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R85 RD14BB2C470J RES. CARBON 4.7K 5% 1/6W R86 RN14BK2C5600F RES. METAL FILM 560 1% 1/6W R90 RD14BB2C361J RES. CARBON 4.7K 5% 1/6W R91 RD14BB2C361J RES. CARBON 360 5% 1/6W R92 RD14BB2C470J RES. CARBON 360 5% 1/6W R92 RD14BB2C470J RES. CARBON 360 5% 1/6W R91 RD14BB2C361J RES. CARBON 360 5% 1/6W R92 RD14BB2C470J RES. CARBON 360 5% 1/6W R93 RD14BB2C470J RES. CARBON 360 5% 1/6W R91 RD14BB2C361J RES. CARBON 360 5% 1/6W R92 RD14BB2C470J RES. CARBON 360 5% 1/6W R93 RD14BB2C470J RES. CARBON 360 5% 1/6W R92 RD14BB2C470J RES. CARBON 360 5% 1/6W R93 RD14BB2C470J RES. CARBON 360 5% 1/6W R93 RD14BB2C470J RES. CARBON 360 5% 1/6W R94 NO USE R95 RN14BK2C4301F RES. METAL FILM 4.3K 1% 1/6W R96 RN14BK2C4301F RES. METAL FILM 5.6K 1% 1	R 2 4 R 2 5 R 2 6 R 2 7 R 2 8 R 2 9 R 3 0 R 3 1 R 3 2 R 3 3	RD14BB2C10 RN14BK2C82 RN14BK2C10 RD14BB2C10 RD14BB2C10 RD14BB2C10 RD14BB2C22 RD14BB2C22 RD14BB2C22	01J RES. 200F RES. 001F RES. 01J RES. 001F RES. 22J RES. 22J RES.	CARBON METAL FILM CARBON METAL FILM CARBON CARBON CARBON CARBON CARBON	100 5% 1/6W 100 5% 1/6W 820 1% 1/6W 1K 1% 1/6W 100 5% 1/6W 1K 1% 1/6W 1 1/6W 1 1/6W 2.2K 5% 1/6W 2.2K 5% 1/6W
R42 RD14BB2C430J RES. CARBON 43 5% 1/6W R48 RD14BB2C681J RES. CARBON 680 5% 1/6W R49 RD14BB2C681J RES. CARBON 680 5% 1/6W R50 NO USE RES. SPR5L30 1.2K 5% 5W R51 R92-1412-05 RES. SPR5L30 1.8K 5% 5W R53 R92-1412-05 RES. SPR5L30 1.8K 5% 5W R54 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R54 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R54 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R60 RD14BB2C101J RES. CARBON 100 5% 1/6W R79 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R81 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R82 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R83 RD14BB2C470J RES. CARBON<	R35 R36 R37 R38	RD14BB2C4' NO USE RN14BK2E6' RN14BK2E6'	70J RES. 2R0F RES. 2R0F RES.	METAL FILM METAL FILM	62.0 1% 1/4W 62.0 1% 1/4W
R49 RD14BB2C681J RES. CARBON 680 5% 1/6W R50 NO USE RES. SPR5L30 1.2K 5% 5W R51 R92-1412-05 RES. SPR5L30 1.8K 5% 5W R53 R92-1412-05 RES. SPR5L30 1.8K 5% 5W R54 R92-1411-05 RES. SPR5L30 1.2K 5% 5W R60 RD14BB2C101J RES. CARBON 1.00 5% 1/6W R78 RD14BB2C101J RES. CARBON 1.00 5% 1/6W R79 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R80 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R81 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R83 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R84 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R85 RN14BK2C5600F RES.			San San San San San San San San San San		
R78 RD14BB2C101J RES. CARBON 100 5% 1/6W R79 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R80 RD14BB2C472J RES. CARBON 1.1K 5% 1/6W R81 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R82 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R83 RD14BB2C470J RES. CARBON 47 5% 1/6W R84 RD14BB2C470J RES. CARBON 47 5% 1/6W R87 RD14BB2C470J RES. CARBON 47 5% 1/6W R88 RN14BB2C470J RES. CARBON 47 5% 1/6W R89 RN14BB2C5600F RES. METAL FILM 560 1% 1/6W R89 RN14BB2C361J RES. CARBON 360 5% 1/6W R91 RD14BB2C361J RES. CARBON 360 5% 1/6W R92 RD14BB2C361J RES. CARBON 360 5% 1/6W R92 RD14BB2C470J RES. CARBON 360 5% 1/6W R93 RD14BB2C470J RES. CARBON 360 5% 1/6W R94 NO USE R95 RN14BK2C4301F RES. CARBON 220 5% 1/6W R96 RN14BK2C5601F RES. METAL FILM 4.3K 1% 1/6W R97 RD14BB2C211J RES. CARBON 220 5% 1/6W R98 RN14BK2C4301F RES. METAL FILM 4.3K 1% 1/6W R996 RN14BK2C4301F RES. METAL FILM 5.6K 1% 1/6W	R 4 9 R 5 0 R 5 1 R 5 2 R 5 3	RD14BB2C6 NO USE R92-1411- R92-1412- R92-1412-	81J RES. 05 RES. 05 RES. 05 RES.	CARBON SPR5L30 SPR5L30 SPR5L30	680 5% 1/6W 1.2K 5% 5W 1.8K 5% 5W 1.8K 5% 5W
R78 RD14BB2C101J RES. CARBON 100 5% 1/6W R79 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R80 RD14BB2C112J RES. CARBON 1.1K 5% 1/6W R81 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R82 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R83 RD14BB2C470J RES. CARBON 47 5% 1/6W R84 RD14BB2C470J RES. CARBON 47 5% 1/6W R88 RN14BB2C470J RES. CARBON 47 5% 1/6W R88 RN14BB2C470J RES. CARBON 47 5% 1/6W R88 RN14BB2C470J RES. CARBON 47 5% 1/6W R89 RN14BK2C5600F RES. METAL FILM 560 1% 1/6W R90 RD14BB2C361J RES. CARBON 360 5% 1/6W R91 RD14BB2C361J RES. CARBON 360 5% 1/6W R92 RD14BB2C361J RES. CARBON 360 5% 1/6W R92 RD14BB2C361J RES. CARBON 360 5% 1/6W R92 RD14BB2C361J RES. CARBON 360 5% 1/6W R93 RD14BB2C221J RES. CARBON 360 5% 1/6W R94 NO USE R95 RN14BK2C4301F RES. METAL FILM 4.3K 1% 1/6W R94 R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W	R 6 0				100 5% 1/6W
R87 RD14BB2C472J RES. CARBON 4.7K 5% 1/6W R88 RN14BK2C5600F RES. METAL FILM 560 1% 1/6W R89 RN14BK2C5600F RES. METAL FILM 560 1% 1/6W R90 RD14BB2C361J RES. CARBON 360 5% 1/6W R91 RD14BB2C361J RES. CARBON 360 5% 1/6W R92 RD14BB2C470J RES. CARBON 47 5% 1/6W R93 RD14BB2C221J RES. CARBON 220 5% 1/6W R94 NO USE R95 RN14BK2C4301F RES. METAL FILM 4.3K 1% 1/6W R96 RN14BK2C5601F RES. METAL FILM 5.6K 1% 1/6W	R 7 9 R 8 0 R 8 1 R 8 2 R 8 3	R D 1 4 B B 2 C 1 R D 1 4 B B 2 C 4 R D 1 4 B B 2 C 1 R D 1 4 B B 2 C 4 R D 1 4 B B 2 C 4 R D 1 4 B B 2 C 4 R D 1 4 B B 2 C 4	01J RES. 72J RES. 12J RES. 72J RES. 72J RES. 70J RES.	CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON CARBON	4.7K 5% 1/6W 1.1K 5% 1/6W 4.7K 5% 1/6W 4.7K 5% 1/6W 47 5% 1/6W
	R 8 8 R 8 9 R 9 0 R 9 1 R 9 2 R 9 3 R 9 4 R 9 5	RD14BB2C4 RN14BK2C5 RN14BK2C5 RD14BB2C3 RD14BB2C3 RD14BB2C4 RD14BB2C2 NO USE RN14BK2C4	72J RES. 600F RES. 600F RES. 61J RES. 61J RES. 21J RES. 301F RES.	CARBON METAL FILM CARBON CARBON CARBON CARBON METAL FILM METAL FILM	560 1% 1/6W 560 1% 1/6W 360 5% 1/6W 47 5% 1/6W 220 5% 1/6W 4.3K 1% 1/6W 5.6K 1% 1/6W

* * *

X80-109	0 - 0 2		1987 高麗華
	PARTS NO	NAME & DESCRII	PTION
R 9 9	RD14BB2C470J	RES. CARBON	47.1-25% 31/6W %
R100	RD14BB2C470J	RES. CARBON	47 5% 1/6W
R 1 0 1		RES. METAL FILM	
R 1 0 2		RES. METAL FILM	
R103		RES. CARBON	
R 1 0 4		RES. CARBON	
R105		RES. CARBONAS 4	
R105		RES. CARBON	
R 1 0 7		RES. METAL FILM	
R 1 0 8		RES. METAL FILM	
R109			
R110	DD14DD9C1E11	RES. CARBON	150 500 1 <i>/c</i> h
	N D 1 4 D D 2 C 1 D 1 J	RES. CARBON 3	1 0 0 1 1 0 76 1 1 7 0 W 1 1 1 0 C M 1 1 1 0 C M 1 1 1 0 C M 1 1 1 0 C M 1 1 1 0 C M 1 1 1 0 C M 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
R111			
R112		RES. METAL FILM	
R113	RN14BRZC3UU1F	RES. METAL FILM	3 K 1 % 1 / 6 W
R114	KD14BBZU39ZJ	RES. CARBON	3.9K 5% 1/6W
R 1 1 5	KD14BB2C392J	RES. CARBON	3.9K 5% 1/6W
R116	KN14BK2H39U2F	RES. METAL FILM	39K 1% 1/2W
R117	RN14BK2H3902F	RES. METAL FILM : RES. CARBON	39K 1% 1/2W
R118	RD14BB2C470J	RES. CARBON	47 5% 1/6W
R119	RD14BB2C470J	RES. CARBON	47 5% 1/6W
	RD14BB2C102J	RES. CARBON	1 K 5 % 1 / 6 W
R 1 2 1	RD14BB2C102J	RES. CARBON	1K 5% 1/6W
R 1 2 2	RN14BK2C4301F	RES. METAL FILM	
R 1 2 3	RN14BK2C1003F	RES. METAL FILM	
R 1 2 4	RN14BK2C1201F	RES. METAL FILM	
R 1 2 5	RN14BK2C1201F	RES. METAL FILM	1.2K 1% 1/6W
R126	RD14BB2C101J	RES. CARBON	100 5% 1/6W
R 1 2 7	RD14BB2C101J .	RES. CARBON	100 5% 1/6W
R 1 2 8	RD14BB2C682J	RES. CARBON	6.8K 5% 1/6W
R129	RD14BB2C392J	RES. CARBON	3.9K 5% 1/6W
R 1 3 0	NO USE		
R 1 3 1	RD14BB2C472J	RES. CARBON	4.7K 5% 1/6W
R 1 3 2	RD14BB2C472J	RES. CARBON	4.7K 5% 1/6W
			1000年发生1000年末
R 1 5 0	RD14BB2C101J	RES. CARBON	100 5% 1/6W
		•	
R156	RD14BB2C470J	RES. CARBON	47 5 5% 1/6W (*)
R157	RD14BB2C470J	RES. CARBON	47 5% 1/6W
			。如此"你,你要就懂你没的我。"(第 5
R 1 6 0	RD14BB2C103J		10K > 5% - 1/6W * [
R 1 6 1	RD14BB2C332J	RES. CARBON 5	3.3K 5% 1/6W
R 162	RD14BB2C392J	RES. CARBON®	319K/15%401/6W/22/
R163	RD14BB2C392J	RES. CARBON	3.9K - 75% - 1/6W 32
R164	RD14BB2C562J	RES. CARBON	5.6K 5% 1/6W
R165	RD14BB2C301J	RES. CARBON *** RES. CARBON	300 5% 1/6W
R166	RD14BB2C201J	RES. CARBON	200 5% 1/6W
R167	RD14BB2C201J	RES. CARBON	200 5 % 1/6W
R168	RD14BB2C201J	RES. CARBON	200 5% 1/6W
R169	RD14BB2C622J	RES. CARBONAS	6.2K 5% 1/6W
R170	RD14BB2C432J	RES. CARBON	4.3K 5% 1/6W
	RD14BB2C103J	RES. CARBONS	10K 5% 1/6W
	NO USE		医电影电话 化阿克勒斯二磺基二甲基基
	RD14BB2C331J	RES. CARBON	330 5% 1/6W
		RES. CARBON	
			820 5% 1/6W
		RES. CARBON	3.3K 5% 1/6W
		RES. CARBON	10K 5% 1/6W
R178	RD14BB2C622J	RES. CARBON	6.2K 5% 1/6W

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X80 - 1090 - 02
 REF. NO
          PARTS NO
                              NAME & DESCRIPTION
  R179
         RD14BB2C302J
                           RES. CARBON
                                                     5 %
                                             3 K
                                                         1/6W
                           RES. CARBON
  R180
         RD14BB2C682J
                                              6.8K
                                                     5 %
                                                        1/6W
  R181
         RN14BK2C6800F
                          RES. METAL FILM 680
                                                     1 %
                                                         1/6W
  R182
         RD14BB2C112J
                          RES. CARBON
                                             1.1K
                                                    5 %
                                                         1/6W
         RD14BB2C242J
                          RES. CARBON
  R183
                                              2.4K
                                                     5 %
                                                         1/6W
  R184
         RD14BB2C821J
                          RES. CARBON
                                             820
                                                    5 %
                                                         1/6W
         RD14BB2C332J
                           RES. CARBON
  R185
                                              3.3%
                                                    5%
                                                         1/8W
                           RES. CARBON
  R186
         RD14BB2C103J
                                                    5 %
                                              10 K
                                                         1/6W
                           RES. CARBON
         RD14BB2C471J
                                              470
  R187
                                                    5 %
                                                         1/6W
                           RES. METAL FILM 1K
  R188
         RN14BK2C1001F
                                                    1 %
                                                         1/6W
                           RES. METAL FILM 1K
  R189
         RN14BK2C1001F
                                                    1 %
                                                         1/6W
  R190
          NO USE
  R191
         RD14BB2C622J
                           RES. CARBON
                                             6.2K
                                                    5 %
                                                         1/6W
  R192
         RD14BB2C272J
                           RES. CARBON
                                             2.7K
                                                    5 %
                                                         1/6W
                           RES. CARBON
  R193
         RD14BB2C122J
                                              1.2K
                                                    5 %
                                                         1/6W
  R194
         NO USE
  R195
         RD14BB2C471J
                           RES. CARBON
                                              470
                                                    5 %
                                                         1/6W
         RN14BK2C6801F
  R196
                           RES. METAL FILM 6.8K
                                                    1 %
                                                         1/6W
  R197
         RN14BK2C1501F
                           RES. METAL FILM 1.5K
                                                    1 %
                                                         1/6W
  R198
         RN14BK2C1300F
                           RES. METAL FILM 130
                                                    1 %
                                                         1/6W
  R199
         RD14BB2C272J
                           RES. CARBON
                                             2.7K
                                                    5 %
                                                         1/6W
  R200
         RD14BB2C911J
                           RES. CARBON
                                             910
                                                    5%
                                                         1/6W
                           RES. CARBON
  R 2 0 1
         RD14BB2C301J
                                             300
                                                    5 %
                                                         1/6W
  R202
         RD14BB2C301J
                           RES. CARBON
                                              300
                                                    5 %
                                                         1/6W
                           RES. CARBON
  R203
         RD14BB2C102J
                                             1 K
                                                    5 %
                                                         1/6W
  R206
         RD14BB2C223J
                           RES. CARBON
                                             22 K
                                                    5 %
                                                         1/6W
                                             100K
  R 2 0 7
         RD14BB2C104J
                           RES. CARBON
                                                    5 %
                                                         1/6W
  R208
         RD14BB2C104J
                           RES. CARBON
                                             100K
                                                    5 %
                                                         1/6W
  R209
         RD14BB2C104J
                           RES. CARBON
                                             100K
                                                    5 %
                                                         1/6W
  R210
         RD14BB2C104J
                           RES. CARBON
                                             100K
                                                    5 %
                                                         1/6W
  R 2 1 1
         RN14BK2C6801F
                           RES. METAL FILM 6.8K
                                                    1 %
                                                         1/6W
  R212
         RN14BK2C1301F
                           RES. METAL FILM 1.3K
                                                    1 %
                                                         1/6W
  R 2 1 3
         RN14BK2C2700F
                           RES. METAL FILM 270
                                                    1 %
                                                         1/6W
                           RES. CARBON
  R901
         RD14BB2C101J
                                             100
                                                    5 %
                                                         1/6W
                           RES. CARBON
  R902
         RD14BB2C102J
                                             1 K
                                                    5 %
                                                         1/6W
  R903
         RD14BB2C152J
                           RES. CARBON
                                             1.5K
                                                    5 %
                                                         1/6W
                           RES. CARBON
  R904
         RD14BB2C470J
                                             47
                                                    5 %
                                                         1/6W
  R905
         RD14BB2C113J
                           RES. CARBON
                                             11K
                                                    5 %
                                                         1/6W
  R906
         RD14BB2C681J
                           RES. CARBON
                                             680
                                                    5 %
                                                         1/6W
  R910
         RD14BB2C470J
                           RES. CARBON
                                             47
                                                    5 %
                                                         1/6W
  R911
         RD14BB2C105J
                           RES. CARBON
                                             1 M
                                                    5 %
                                                         1/6W
  R912
                                             24
         RD14BB2C240J
                           RES. CARBON
                                                    5 %
                                                         1/6W
                           RES. CARBON
  R913
         RD14BB2C270J
                                             27
                                                    5 %
                                                         1/6W
  R922
         RD14BB2C240J
                           RES. CARBON
                                             24
                                                    5 %
                                                         1/6W
  R923
         RD14BB2C270J
                           RES. CARBON.
                                             27
                                                    5 %
                                                         1/6W
  TC1
         C05-0445-05
                           CAP. TRIMMER
                                             20 P
  TC2
         C05-0449-05
                           CAP. TRIMMER
                                             100P
  T H 3
         SDT1000
                           THERMISTOR
  TH4
         SDT100
                           THERMISTOR
  V R 1
         R12-1539-05
                           RES. SEMI FIXED 2KB
  VR2
        R12-0569-05
                           RES. SEMI FIXED 100 B
 VR3
        R12-0571-05
                           RES. SEMI FIXED 500 B
```

```
AC FILTER UNIT
                                  PARTS LIST
(X80-1230-00)
  REF. NO
          PARTS NO
                           NAME & DESCRIPTION
          E38-0354-05
                            WIRE ASS'Y
          E38-0355-05
                            WIRE ASS'Y
          F02-0521-03
                          HEAT SINK
          J73-0122-12
                            PCB (UNMOUNTED)
          N09-0626-04
                            SCREW.SEMS
                                              M3X10
          R92-0150-05
                            JUMPING RES.
                                              ZERO OHM (10MM)
          R92-1061-05
                            JUMPING RES.
                                              ZERO OHM (5MM)
                            CAP. ELECTRO
   C 1
          C90-3050-05
                                              10000 20%
                                                           25 V
   C 2
           NO USE
                            CAP. ELECTRO
   C3
          CE04EW1C221M
                                              220
                                                     20%
                            CAP. MYLAR
   C4
          CQ92FM1H104K
                                              0.1
                                                     10%
                                                          50 V
                            CAP. MYLAR
   C101
          CQ92FM1H103K
                                              0.01
                                                     10%
                                                          50 V
          CE04EW1E470M
                            CAP. ELECTRO
   C 1 0 2
                                              47
                                                     20%
                                                          2.5 V
                            CAP. MYLAR
   C103
          C 2 9 2 F M 1 H 1 O 4 K
                                              0.1
                                                     10%
                                                          50 V
          C91 - 0575 - 05
   C 2 0 1
                            CAP. CERAMIC
                                              1000P 20%
                                                            4 K V
   C 2 0 2
          C91-0575-05
                            CAP. CERANIC
                                              1000P 20%
                                                            4 K V
   C304
          CC45CH2H030C
                            CAP. CERAMIC
                                              3 P
                                                    0.25P 500V
   C305
          CC45CH2H020C
                            CAP. CERAMIC
                                              2 P
                                                    0.25P 500V
   C601
          C91-0551-05
                            CAP. POLYESTER
                                              0.22 10%
                                                          630 V
   D 1
          D5SBA10
                            DIODE, BRIDGE
                            WIRE ASS'Y
   JW303 E38-0352-25
   JW304 E38-0353-05
                            WIRE ASS'Y
   JW601 E38-0360-25
                            WIRE ASS'Y
                            CHOKE COIL
   L201
          L33-0808-05
   P 1
          E40-0305-05
                            PIN CONNECTOR
                                              3 P
                            PIN CONNECTOR
   P 2
          E40-5067-05
                                              10P
   P81
          E40-3237-05
                            PIN CONNECTOR
                                              2 P
   P82
          E40-3237-05
                            PIN CONNECTOR
                                              2 P
   P201
          E40-7104-05
                            PIN CONNECTOR
                                              4 P
          E40-7103-05
                            PIN CONNECTOR
   P 2 0 2
                                              3 P
                            PIN CONNECTOR
   P401
          E40-3306-05
                                              QP
                            PIN CONNECTOR
   P402
          E40-3305-05
                                              8 P
   P501
          E40-3239-05
                            PIN CONNECTOR
                                              4 P
          E40-3239-05
                            PIN CONNECTOR
   P502
                                              4 P
   P503
          E40-3239-05
                            PIN CONNECTOR
                                              4 P
                            RES. CARBON
   R 2 0 1
          RD14BY2H225J
                                              2.2M
                                                     5 %
                                                         1/2W
   S 2 0 1
          S40 - 2524 - 05
                            PUSH SWITCH: POWER
   S401
          S62 - 0608 - 05
                            DIP SWITCH
                            DIP SWITCH
   S402
          S62 - 0608 - 05
   U 1
          SI-3052V
                            IC,3-TERMINAL REGULATOR
   U 2
          NJM7912FA
                            IC,3-TERMINAL REGULATOR
```


X80 - 1230 - 00

7302

 REF. NO
 PARTS
 NO
 NAME
 & DESCRIPTION OF A TYPE

 VR501
 R23-3506-05
 V. R. 1928 F. Agree 1 K. Brond Mark 4 C.
 VR501 R23-3506-05

VR502 R23-7501-05

VR503 R23-3503-05

V.R. (FOCUS, ASTIG) 500 KB X 2 V.R. (ILLUM, ROTAT) 20KB X-2

CRT SOCKET

1.2

To obtain the best performance, periodically calibrate the unit. Sometimes, only one mode need be calibrated, while at other times, all modes should be calibrated. When one mode is calibrated, it must be noted that the other modes may be affected. When calibrating all modes, perform the calibration in the specified sequence.

The following calibration required an accurate measuring instrument and an insulated adjusting flat blade screwdriver. If they are not available, contact your dealer. For optimum adjustment, turn the power on and warm up the scope sufficiently (more than 30 minutes) before starting.

Before calibrating the scope, check the power supply voltage.

TEST EQUIPMENT REQUIRED

The following instrument or their equivalent should be used for making adjustment.

Test	Model	Minimum
Equipment	IVIOUGI	Specification
Digital Multi- Meter	DL-711 (KENWOOD)	Impedance: More than 10 MΩ, Measuring range: 0.01 V to 199 V
Sine-Wave Generator	651 B (YHP)	Frequency: 10 Hz to 10 MHz, constant voltage over tuning range
Sine-Wave Generator	SG-503 (Tektronix)	Frequency: 50 kHz to 100 MHz, Output impedance: 50 Ω , constant voltage over tuning range
Square- Wave Generator	PG-506 (Tektronix)	Output signal: 1 kHz, Amplitude: 10 mVp-p to 10 Vp-p, Accuracy: within ±1%, Rise time: 35ns or less 100 kHz, Rise time: 1 ns or less
Q Meter	4343B (YHP)	
Color Pattern Generator	CG-911A (KENWOOD)	<u>-</u>
Oscilloscope	CS-6020 (KENWOOD)	Sensitivity: more than 1 mV Frequency response: More than 100 MHz
Time-Marker Generator	TG-501 (Tektronix)	Time mark: 0.5 s to 0.1μs repetive waveform
High-Voltage Probe	_	Input Impedance: 1000 MΩ
Termination		Impedance: 50 Ω Accuracy: within 3%
Termination	7. s \$2 .0. 3 .2000 A.	3 watts type impedance: 50 Ω
Attenuator	South Tours	-20 dB attenuation (50 Ω)

Table 1

PREPARATION FOR ADJUSTMENT

Control Settings

The control settings listed below must be used for each adjustment procedure.

Exceptions to these settings will be noted as they occur. After completing a adjustment, return the controls to the following settings.

NAME OF KNOBS	POSITION
INTEN SEAT CRY	12 o'clock
READOUT INTEN	Fully counterwise
FOCUS, ASTIG	Optimum position
CH1, CH2 ♦ POSITION	Mechanical center
→ POSITION	Mechanical center
×10 MAG/EQU	LED OFF
VARIABLE, H.VARIABLE	CAL
(VOLTS/DIV, SWEEP TIME/DIV)	
AC-GND-DC (CH1 and CH2)	DC (GND at no signal)
VERTICAL MODE	CH1
HORIZONTAL MODE: 3 7 3 3 2 2 2 2	AUTO : Legal 1 au 1
TRIGGERING COUPLING	AC
TRIGGERING SOURCE	CH1
TRIGGERING LEVEL	Mechanical center
VOLTS/DIV (CH1 and CH2)	10 mV/DIV
SWEEP TIME/DIV	1 ms/DIV
PROG SET	Press twice to set to ini-
1. T. J. 1. T. H. W. A.	tial setting (the indicator
	goes off).

Table 2

1. Power Supply and CRT Section Adjustments

Item	Adjustment	РСВ	Procedure
-10 V	VR1	X68-1480	Adjust VR1 so that the terminal voltage at pin No. 2 of the connector P41 is -10 V.
Focus Center	VR4	X68-1480	Push the FOCUS knob in (for the FOCUS operation) and then set it to the mechanical center position. Pull the knob out (for the ASTIG operation), display a luminescent spot in the center of the screen and adjust the ASTIG control and VR4 to minimize the size of the spot.
Intensity	VR2	X68-1480	Display the luminescent spot in the center of the screen and turn the REAL-INTEN knob to a 10 o'clock position. Then adjust VR2 so that the spot is dimly visible.
CRT Center	VR2	X80-1090	With Q1-collector and Q2-collector short-circuited, adjust VR2 so that the luminescent line comes to the center of the screen.
Vertical Center Voltage	VR5	X80-1090	With Q1-collector and Q2-collector short-circuited, adjust VR5 to give 37 V at pin No. 1 of the connector P42 so that the luminescent line comes to the center of the screen.
Horizontal Center Voltage	VR9	X80-1090	In X-Y mode, adjust HORIZONTAL POSITION so that the luminescent spot comes to the center of the screen. Adjust VR9 to give 60 V at pin No. 1 of the connector P43.

2. Vertical Section Adjustments

Item	Adjustment	PCB	Procedure
CH1 100 Hz Sag	VR2	X75-1200	CH1 VOLTS/DIV: 10 mV Apply square waves using a square-wave oscillator so that the amplitude extends over 6 divisions on the screen. Adjust VR2 so that the square waves are parallel to each other.
CH2 100 Hz Sag	VR102	X75-1200	Adjust in the same way as for CH1.
CH1 1 kHz Waveform Shaping	TC903 TC904	X75-1200	AC-GND-DC: DC Apply 1 kHz square waves to CH1 INPUT with the amplitude extending over 4 to 6 divisions, then adjust in each range so that leading edges are parallel to each other. TC903 for 0.1 V/div, TC904 for 1 V/div
CH2 1 kHz Waveform Shaping	TC913 TC914	X75-1200	Adjust in the same way as for CH1.
CH1 Input Capacity	TC901 TC902	X75-1200	AC-GND-DC: DC CH1 VOLTS/DIV: 10 mV Connect a capacity meter to CH1 INPUT and measure the capacity in the 10 mV range. Adjust so that the capacities in each range are the same as for the 10 mV range. TC 901 for 0.1 V/div, TC902 for 1 V/div Input capacity: 22 pF ±3 pF
CH2 Input Capacity	TC911 TC912	X75-1200	Adjust in the same way as for CH1.
CH1 Step ATT Balance	VR1 VR1	X75-1200 X73-1930	SWEEP TIME/DIV: 1 ms AC-GND-DC: GND Adjust VR1 (X75-1200) so that the luminescent line does not vary even when the range is switched between 1 mV and 2 mV. Adjust VR1 (X75-1930) so that the luminescent line does not vary even when the range is switched between 2 mV and 5 mV.

ltem	Adjustment	PCB	Procedure Resident Action Control of the Control of
CH1 Variable Balance	VR5	X73-1930	VOLTS/DIV: 10 mV SWEEP TIME/DIV: 1 ms Adjust VR5 so that the luminescent line does not move even when the VARIABLE knob is rotated.
CH2 Step ATT Balance	VR101 VR201	X75-1200 X73-1930	Adjust in the same way as for CH1.
CH2 Variable Balance	VR215	X73-1930	Adjust in the same way as for CH1.
CH2 INV Balance	VR216		CH2 POSITION: Display in the center of the screen. CH2 VOLTS/DIV: 1 mV SWEEP TIME/DIV: 1 ms Adjust VR216 so that the luminescent line does not move even when the CH2 INV switch is turned ON/OFF.
CH2 Position	VR205		AC-GND-DC: AC CH2 VOLTS/DIV: 10 mV SWEEP TIME/DIV: 1 ms CH2 INPUT: Sine wave with the amplitude extending over approx. 10 divisions on the screen Display CH2 after pressing SET, then adjust VR205 so that it comes to the center.
CH1 Position	VR4	X73-1930	Adjust in the same way as for CH2.
CH1 Gain	VR1; 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	X80-1090	AC-GND-DC: DC VOLTS/DIV: 10 mV Apply a 50 mV square wave, and adjust so that the amplitude extends over 5 divisions on the screen.
CH1 1 mV Gain	VR2	X73-1930	the state and the stands over 5
CH2 Gain	VR206	X73-1930	AC-GND-DC: DC VOLTS/DIV: 10 mV Apply a 50 mV square wave, and adjust so that the amplitude extends over 8 divisions on the screen.
CH2 1 mV Gain	VR202	X73-1930	AC-GND-DC: DC VOLTS/DIV: 1 mV Apply a 5 mV square wave, and adjust so that the amplitude extends over the divisions on the screen.
X Gain	VR324	X73-1930	AC-GND-DC: DC CH2 VOLTS/DIV: 10 mV HORIZONTAL MODE: X-Y Apply a 50 mV square wave, and adjust so that the amplitude extends over divisions on the horizontal axis on the screen.

3. TRIG Section Adjustments

Item	Adjustment	PCB	Procedure
FIX Level Center	VR1	X74-1550	HORIZONTAL MODE : FIX, AUTO TRIGGERING SOURCE : CH1 COUPLING : DC INPUT : Sine wave with the amplitude extending over 4 divisions on the screen Adjust VR1 so that the starting point of the waveform on the screen has the same amplitude in the center of the waveform when switching SLOPE between + (plus) and - (minus).
TRIG Level Center	VR123 VR323 VR428	X73-1930	HORIZONTAL MODE : AUTO TRIGGERING SOURCE : CH1/CH2/EXT (switching) . COUPLING : AC/DC (switching) INPUT : Sine wave with the amplitude extending over 4 divisions on the screen Adjust VR1 so that the starting point of the waveform on the screen does not vary when switching COUPLING between AC and DC. (Align the point for DC with that for AC.) VR123 for CH1, VR323 for CH2, VR428 for EXT

4. Horizontal Section Adjustments

ltem	Adjustment	PCB	Procedure
1 ms range	VR143	X74-1550	SWEEP TIME/DIV: 1 ms CH1 INPUT: Input 1 ms Time Marker. Adjust VR143 to align the input signal with the scale on the screen.
10 ms range	VR138	X74-1550	SWEEP TIME/DIV: 10 ms CH1 INPUT: Input 10 ms Time Marker. Adjust VR138 to align the input signal with the scale on the screen.
0.2 μs range	TC128	X74-1550	SWEEP TIME/DIV : 0.2 µs CH1 INPUT : Input 0.2 µs Time Marker. Adjust TC128 to align the input signal with the scale on the screen.
1 μs range	TC127	X74-1550	SWEEP TIME/DIV: 1 µs CH1 INPUT: Input 1 µs Time Marker. Adjust TC127 to align the input signal with the scale on the screen.
× 10MAG Gain	VR8	X80-1090	SWEEP TIME/DIV: 1 ms CH1 INPUT: 10 μ s Time Marker With \times 10MAG KEY on (with the LED lit up), adjust VR8 to align the input signal with the scale on the screen.
× 10MAG Center	VR7 randic Aline ranes re	X80-1090	SWEEP TIME/DIV: 1 ms CH1 INPUT: 5 ms Time Marker With × 10MAG KEY on (with the LED lit up), align the second Time Marker on the screen with the scale in the center using Horizontal Position. With × 10MAG KEY off (with the LED unlit), adjust VR7 to align the second Time Marker with the scale in the center.
Horizontal Position Center	VR6	X80-1090	SWEEP TIME/DIV: 1 ms CH1 INPUT: 10 ms Time Marker Adjust VR6 so that the Marker on the screen displays in the same range when the Position volume is fully turned clockwise and counterclockwise (with 10 divisions for each side).
X Position Center	VR145	X74-1550	SWEEP TIME/DIV: 1 ms Using Horizontal Position, align the starting point of the luminescent line with the scale at the left end on the screen. With Horizontal Mode X-Y Key on (with the LED lit up), adjust VR145 so that the luminescent spot on the screen comes to the center of the screen.

5. Display System

Item	Adjustment	PCB	Procedure
Y Gain and Position	VR5 VR6	X78-1080	* Adjust using a test pattern (stepped-wave) How to output a test pattern
		1994 471) 481	 Turn the power switch off. (Power off) Turn the power switch on while pressing the AUTO SET switch. (Restart) Release the AUTO SET switch.
· "我要要要的的。" - 全期期期的一直提出最高。		19. de 18. d	* Adjust VR5 to align with each division of the Y axis scale on the screen. Move the test pattern in Y direction using VR6 so that VR5 can be adjusted easily.
		n, krijaran krij Prikrijara kari	* Adjust VR6 to align the test pattern (stepped-wave) with the Y axis scale on the screen at intervals of 8 divisions.
X Gain and Position	VR7 VR8	X78-1080	 * Adjust using a test pattern (stepped-wave) * Adjust VR7 to align with each division of the X axis scale on the screen. Move the test pattern in X direction using VR8 so that VR7 can be adjusted
	Area (a) 100 to	1	 easily. * Adjust VR8 to align the test pattern (stepped-wave) with the X axis scale on the screen at intervals of 10 divisions.
X Position	VR8	X78-1080	Stopping the test pattern output Turn the power on again. TIME/DIV: 1 ms
· 杂音 · 杂码 · 4 * 1 · 20 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·	इस्ता है। इस इस है है के का है। इस बहुत का लिए का के हैं। के कुछ से इस्केरिया का है।	。 在《海水》图像 《水水》图像《海 · 水水》图像《海水》 · 水水》图像像海	* Using Horizontal Position, align the starting point of the luminescent line in REAL mode with the scale at the left end on the screen. Adjust VR8 so that the luminescent line starts from the same point even when the mode is changed to STORAGE.

6. AD system	Adjustment	РСВ	Procedure
CH1 AD Gain and Position	VR63 VR142	X78-1080 X73-1930	VOLTS/DIV : 10 mV SWEEP TIME/DIV : 0.2 ms CH1 INPUT : 50 mV square wave TRIGGERING MODE : AUTO * In REAL mode, display in a position on the screen where adjustment can be performed easily. * Change the mode from REAL to STORAGE, then adjust VRs 63 and 142 so that the gain and the position are the same as for REAL. (Adjust precisely repeating this procedure several times.)
CH2 AD Gain and Position	VR69 VR342	X78-1080 X73-1930	VOLTS/DIV : 10 mV SWEEP TIME/DIV : 0.2 ms CH1 INPUT : 50 mV square wave TRIGGERING MODE : AUTO * In REAL mode, display in a position on the screen where adjustment can be performed easily. * Change the mode from REAL to STORAGE, then adjust VRs 69 and 342 set that the gain and the position are the same as for REAL. (Adjust precisely repeating this procedure several times.) VR342 for gain and VR69 for position adjustment.

Item	Adjustment	РСВ	Procedure
CH1 EQU Mode	VR601	X78-1080	VOLTS/DIV : 10 mV
Gain and Position	VR602 - 2 - 24	in grown and the second	SWEEP TIME/DIV : $5 \mu s$ CH1 INPUT : 50 kHz sine wave with the amplitude extending over 5 cm
	t Marie de la companya de la company	in the second of	AC-GND-DC : AC
			TRIGGERING MODE: AUTO * In STORAGE NORM mode, display in a position on the screen where adjust-
		4 + + 1	ment can be performed easily. * Switching between NORM and EQU (×10 MAG), adjust VRs 601 and 602
year of the second	Bigner (18 Onlyster)	erfor por co	so that the gain and the position are the same as for REAL. (Adjust precisely
			repeating this procedure several times.) VR602 for gain and VR601 for position adjustment.
CH2 EQU Mode Gain and Position	VR701 VR702	X78-1080	VOLTS/DIV : 10 mV SWEEP TIME/DIV : 5 μs
Gain and Fosition	VN702		CH2 INPUT : 50 kHz sine wave with the amplitude extending over 5
		and an analysis	AC-GND-DC
			TRIGGERING MODE: AUTO * In STORAGE NORM mode, display in a position on the screen where adjustment can be performed easily.
		eg til flyglet i eldisk Rin egs i kole	* Switching between NORM and EQU (\times 10 MAG), adjust VRs 701 and 702 so that the gain and the position are the same as for REAL. (Adjust precisely
	্ৰক্ষণ সংগ	The state of the s	repeating this procedure several times.) VR702 for gain and VR701 for position adjustment.
TIME/DIV	VR11	X77-1730	VOLTS/DIV : 10 mV SWEEP TIME/DIV : 0.1 μs
Gain and Position	VR12		SWEEP TIME/DIV : 0.1 μs CH2 INPUT : TIME Marker 0.1 μs with the amplitude extending over approx. 4 divisions on the screen
	· · · · · · · · · · · · · · · · · · ·	3 (3)	AC-GND-DC : AC
			TRIGGERING MODE: AUTO * Display in a position on the screen where adjustment can be performed easily.
	·	era i i	* Adjust VR11 to align with each division of the X axis scale on the screen. Move in horizontal direction using Horizontal Position so that VR11 can be
and a second second	n je kve vity vitorio	With the state of the	adjusted easily. (Perform the adjustment operation with the marker signal of F 2% for the purposes of (1) preventing the error due to temperature drift
		e Siaren.	and (2) satisfying the specifications also in the 20 μs range.) * Adjust VR12 so that the waveform is displayed without any breaks.
	The state of the s	TO STATE OF THE ST	* Check to make sure that there is no break in the displayed waveform switching the range between TIME/DIV 5 μs and 20 ns.

7. Overshoot and CAL Adjustments

Item	Adjustment	РСВ	Procedure
Overshoot	TC1	X80-1090	CH1, 2 VOLTS/DIV : 10 mV
	TC2	0.10	CH1, 2 AC-GND-DC: DC
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y estage 7A.M & Entered to	TC2	X73-1930	TRING TO A SECTION OF THE PROPERTY OF THE PROP
	VR3	X70-1000	Apply a 1 MHz square wave to CH1 INPUT.
	TC3	n en	* In STORAGE EQU mode, adjust TC2, TC3 and VR3 so that both overshoot
,	VR97	*(#)	and ringing extend over 0.3 divisions.
	TC97	14 5 14 1 407 133	
中国的自由中国的自由中国自由	<for ch2=""></for>		
· 新美克斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯斯	TC202	paretare og velg Lebra ett i 1885	
Language of the second of the second	VR203		extend over 0.3 divisions.
	TC203		extend over 0.5 divisions.
	TC280		Apply a 1 MHz square wave to CH2 INPUT.
	10280		* In STORAGE EQU mode, adjust TC202, TC203 and VR203 so that both
			overshoot and ringing extend over 0.3 divisions.
			* In REAL mode, adjust TC280 so that the waveform is flat in the high-
			frequency band. (At this point of time, both overshoot and ringing should
			extend over 0.3 divisions.)
			extend over 0.3 divisions.)
			0.50
			Confirmation after adjustments
			The frequency characteristics in the 10 mV range should be 55 MHz (-3 dB)
4		ľ	or more for each channel.
			The channel signal difference (between CH1 and CH2 INV ADD) should be 0.5
		,	divisions or less (when applying a 50 MHz square wave with the amplitude ex-
,			tending over 8 divisions).
CAL	VR5	X68-1480	Connect an oscilloscope calibrated for 100 MHz band to the CAL terminal and
	VR6		set VOLTS/DIV to 0.2 V and TIME/DIV to 0.1 ms.
			Adjust VR5 so that one cycle is 1 ms (i.e. 10 divisions).
lt in the second			Adjust VR6 so that the amplitude is 1 V (i.e. 5 divisions).

8. Cursor Section Adjustments

Item	Adjustment	PCB	Procedure
Cursor Y Gain	VR3	X80-1090	CURSORS : $\Delta Y1$ Δ : Turn clockwise until the cursor stops at the top of the screen.
			AREF : Turn counterclockwise until the cursor stops at the bottom of the screen. CH1 VOLTS/DIV : 10 mV * Adjust VR3 so that the interval between the cursors is 8 divisions. Move the cursor in Y direction using VR4 so that VR3 can be adjusted easily.
Cursor Y Position	VR4	X80-1090	 CURSORS : ΔV1 Δ : Turn clockwise until the cursor stops at the top of the screen. ΔREF : Turn counterclockwise until the cursor stops at the bottom of the screen. * Adjust VR4 to align two horizontal cursors with the uppermost and lowest scales on the screen respectively.
Cursor X Gain and Position	VR10 VR11	X80-1090	CURSORS: ΔV1 Δ: Turn clockwise until the cursor stops at the right end of the screen. ΔREF: Turn counterclockwise until the cursor stops at the left end of the screen. * Adjust VR11 so that the interval between the cursors is 10 divisions. Move the cursor in X direction using VR10 so that VR10 can be adjusted easily. * Adjust VR10 to align two vertical cursors with the right end and left end scales on the screen respectively.

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9. PLOT system

ltem	Adjustment	PCB	Procedure
X Gain	VR14	X78-1080	AC-GND-DC: GND SWEEP TIME/DIV: 10 μs * In NORM mode, turn CH1 POSITION fully clockwise. Then change the mode to HOLD mode, press the PLOT KEY and adjust VR14 to give +5 V at terminal X of PEN OUT in the rear side.
Y Gain		X78-1080	AC-GND-DC: GND SWEEP TIME/DIV: 10 μs * In NORM mode, turn CH2 POSITION fully clockwise. Then change the mode to HOLD. X-Y mode, press the PLOT KEY and adjust VR16 to give +5 V at terminal Y of PEN OUT in the rear side.

POWER SUPPLY UNIT (X68-1480-01)

Pattern side view FRONT VR2 Intensity Focus Center VR1

FRONT

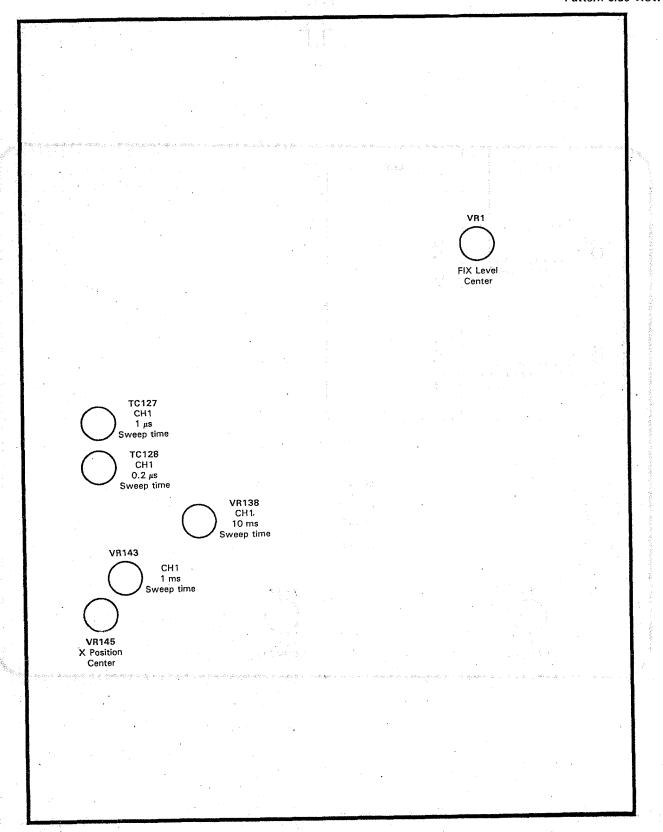
Pattern side view

PRE AMP UNIT (X73-1930-00)

VR201 TC202 CH2 VR1 Overshoot Overshoot VR2 CH2 Step ATT Balance Step ATT VR202 Balance CH2 CH1 1 mV gain 1 mV VR215 VR5 gain VR428 VR216 CH2 CH2 INV Variable CH1 TRIG Level Variable Balance Center Balance Balance VR203 CH2 Overshoot TC203 CH2 VR3 тсз **VR323** Overshoot CH1 CH1 TRIG Level Overshoot Overshoot Center VR123 TRIG LEVEL VR324 Center X gain VR205 CH2 VR4 Variable TC280 Balance VR342 CH2 AD gain VR206 CH1 CH2 gain Position Center CH2 Overshoot VR142 CH1 AD gain **VR97 TC97** CH1 CH1

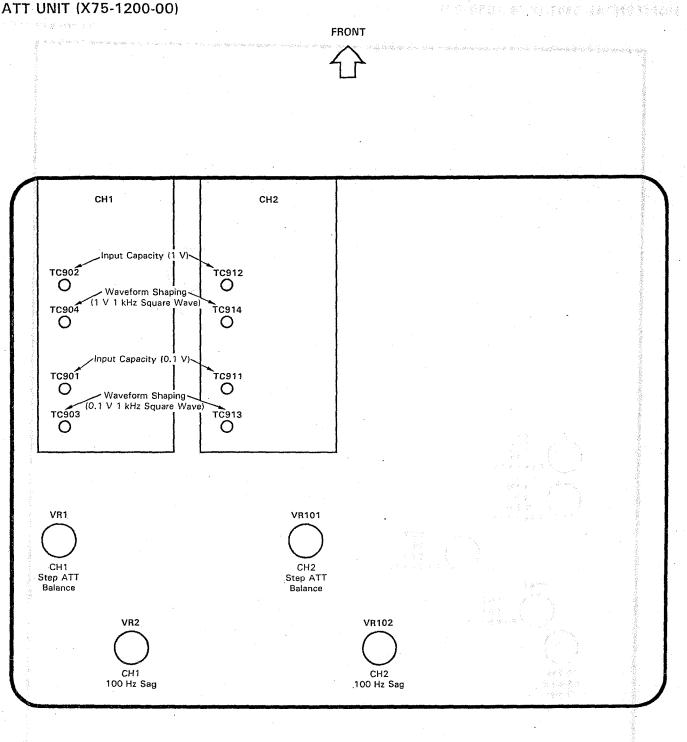
HORIZONTAL UNIT (X74-1550-00)

Pattern side view





ATT UNIT (X75-1200-00)



STORAGE UNIT (X77-1730-00)

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1		VR12 -		
		VR12 TIME/DIV Position		
• .			VR11 TIME/DIV gain	
•	•		gain	
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A/D CONVERTER UNIT (X78-1080-00)

· 新聞歌·安德 7000 年 中 - 新國歌歌	FRONT
VR8 X Position VR7 X Gain	VR5 Y Gain
VR14 X Gain PLOT	Y Position
Y Gain	
VR63 CH1 AD Position	
VR69 CH2 AD Position	VR601 CH1 EQU Mode Position VR602 CH1 EQU Mode Gain
e en en en en en en en en en en en en en	VR701 CH2 EQU Mode Position VR702 CH2 EQU Mode Gain

FINAL UNIT (X80-1090-02)

CH1 gain

Pattern side view VR9 Horizontal Center Voltage VR10 Overshoot VR8 < 10MAĞ Gain TC1 Overshoot VR7 ×10MAG Center VR5 Vertical Center VR2 CRT Center Voltage VR3 Cursor Y. gain · VR4 VR1 Cursor Y Position VR6 Horizontal Position Center

